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Crimi N (*see* Vancheri et al). 2005;116:1242-8
Crivellato E (*see* Puxeddu et al). 2005;116:531-6 (Rostrum)
Cromwell O (*see* Asero et al). 2005;116:1036-41
Cromwell O (*see* Jutel et al). 2005;116:608-13
Cromwell O (*see* Reisinger et al). 2005;116:347-54
Crummy F, Livingston M, Ardill JES, Adamson C, Ennis M, Heaney LG. Endobronchial adenosine monophosphate challenge causes tachykinin release in the human airway. 2005;116:312-7
Currie GP, Anderson WJ, Lee DKC. Effects of montelukast in patients with persistent asthma using inhaled corticosteroids plus additional second-line therapy. 2005;116:230 (Correspondence)
Custis NJ (*see* Platts-Mills et al). 2005;116:384-9
Custovic A (*see* Simpson et al). 2005;116:744-9

D

Daines MO (*see* Guajardo et al). 2005;116:711-2 (Letter reply)
Damiano A (*see* Small et al). 2005;116:1275-81
Dang Duy TL (*see* de Blic et al). 2005;116:750-4
Danzig M (*see* Small et al). 2005;116:1275-81
Darsow U (*see* Pfab et al). 2005;116:1386-8 (Letters to the editor)
Darsow U (*see* Weidinger et al). 2005;116:177-84
DaSilva DF (*see* Lemanske et al). 2005;116:571-7
Davey G, Berhane Y, Duncan P, Aref-Adib G, Britton J, Venn A. Use of acetaminophen and the risk of self-reported allergic symptoms and skin sensitization in Butajira, Ethiopia. 2005;116:863-8
David BE (*see* Khan et al). 2005;116:924-6 (Letters to the editor)

Davis BE, Todd DC, Cockcroft DW. Effect of combined montelukast and desloratadine on the early asthmatic response to inhaled allergen. 2005;116:768-72
de Almeida AB (*see* Batista et al). 2005;116:403-10
de Blic J, Tillie-Leblond I, Emond S, Mahut B, Dang Duy TL, Scheinmann P. High-resolution computed tomography scan and airway remodeling in children with severe asthma. 2005;116:750-4
de Boissieu D (*see* Kalach et al). 2005;116:1321-6
de Bruin-Weller MS (*see* Beeren et al). 2005;116:228-9 (Letters to the editor)
de Klerk N (*see* Kusel et al). 2005;116:1067-72
de la Fuente MA (*see* Cianferoni et al). 2005;116:1364-71
de la Torre F (*see* Matheu et al). 2005;116:1167-8 (Correspondence)
de Marco R (*see* Jarvis et al). 2005;116:675-82
de Mateo JA (*see* Enrique et al). 2005;116:926-8 (Letters to the editor), 1073-9
De Stefano S (*see* Santamaria et al). 2005;116:1163-4 (Correspondence)
De Swerdt A, Van Den Keybus C, Kasran A, Cadot P, Neyens K, Coorevits L, Kochuyt AM, Degreef H, Ceuppens JL. Detection of basophil-activating IgG autoantibodies in chronic idiopathic urticaria by induction of CD63. 2005;116:662-7
de Winter-de Groot KM, Uiterwaal CSPM, van der Ent CK. No significant relationship between exhaled nitric oxide and body mass index in people with asthma. 2005;116: 930 (Letter reply)
de Winter-de Groot KM, Uiterwaal CSPM, van der Ent CK. Relationship between exhaled nitric oxide and body mass index in children and adolescents. 2005;116:1164-5 (Letter reply)
Dean T (*see* Pereira et al). 2005;116:884-92
Degreef H (*see* De Swerdt et al). 2005;116:662-7
Demoly P (*see* Bousquet and Demoly). 2005;116:1168-9 (Letter reply)
Deniz Y (*see* Miller et al). 2005;116:990-5
Deniz YM (*see* Mascia et al). 2005;116:970-5
Deschesnes F (*see* Gauvreau et al). 2005;116:285-91
Dhanda R (*see* Bergeron et al). 2005;116:983-9
Dharajiya N (*see* Bacsi et al). 2005;116:836-43
Di Stefano A (*see* Ricciardolo et al). 2005;116:1028-35
Diaz GA (*see* Tarzi et al). 2005;116:1101-5 (Case study)
Dimich-Ward H (*see* Chan-Yeung et al). 2005;116:49-55
Dishop MK (*see* Pacheco et al). 2005;116:470-2 (Images in allergy and immunology)
Dohil R (*see* Aceves et al). 2005;116:705-6
Doi S (*see* Hirota et al). 2005;116:789-95
Dolganov GM (*see* Kuperman et al). 2005;116:305-11
Donner CF (*see* Ricciardolo et al). 2005;116:1028-35
Drain KL (*see* Bartemes et al). 2005;116:827-35
Dreborg S. Evaluation of allergen exposure. 2005;116:620-2 (Editorial)
Du JB (*see* Wen et al). 2005;116:517-24
Dubin PJ (*see* Hashimoto et al). 2005;116:550-7
Duncan P (*see* Davey et al). 2005;116:863-8
Dunn KS (*see* Amlie-Lefond et al). 2005;116:1334-42
Duong M (*see* Gauvreau et al). 2005;116:285-91
Dupont C (*see* Kalach et al). 2005;116:1321-6
Durbin JE (*see* Hashimoto et al). 2005;116:550-7
Durham SR (*see* Coker et al). 2005;116:445-52
Durham SR (*see* Nouri-Aria et al). 2005;116:73-9
Dutta SM (*see* Matsuda et al). 2005;116:1357-63
Dutton SJ (*see* Rabinovitch et al). 2005;116:1053-7
DyBuncio A (*see* Chan-Yeung et al). 2005;116:49-55

E

Ebisawa M (*see* Hirota et al). 2005;116:789-95
Ebmeyer J, Furukawa M, Pak K, Ebmeyer U, Sudhoff H, Broide D, Ryan AF, Wasserman S. Role of mast cells in otitis media. 2005;116:1129-35
Ebmeyer U (*see* Ebmeyer et al). 2005;116:1129-35
Ebner C (*see* Jahn-Schmid et al). 2005;116:213-9
Ebner C (*see* Schimek et al). 2005;116:1327-33
Echechipía S (*see* Tabar et al). 2005;116:109-18
Eder W, Klimecki W, Yu L, von Mutius E, Riedler J, Braun-Fahrländer C, Nowak D, Martinez FD. Opposite effects of *CD14/-260* on serum IgE levels in children raised in different environments. 2005;116:601-7
Eerenberg A (*see* van Doorn et al). 2005;116:876-83
Eggleston PA. Improving indoor environments: reducing allergen exposures. 2005;116:122-6 (Review)
Eggleston PA (*see* Limb et al). 2005;116:1213-9
Eldeirawi K, McConnell R, Freels S, Persky VW. Associations of place of birth with asthma and wheezing in Mexican American children. 2005;116:42-8
Elias JA, Homer RJ, Hamid Q, Lee CG. Chitinases and chitinase-like proteins in T_H2 inflammation and asthma. 2005;116:497-500
ElKhal A (*see* Laouini et al). 2005;116:390-6
Elliott L, Heederik D, Marshall S, Peden D, Loomis D. Progression of self-reported symptoms in laboratory animal allergy. 2005;116:127-32
Elliott L (*see* Arbes et al). 2005;116:377-83
Elsayed S (*see* Do et al). 2005;116:1314-20
Emond S (*see* de Blic et al). 2005;116:750-4
Encinas JA, Janssen EM, Weiner DB, Calarota SA, Nieto D, Moll T, Carlo DJ, Moss RB. Anti–T-cell Ig and mucin domain–containing protein 1 antibody decreases T_H2 airway inflammation in a mouse model of asthma. 2005;116:1343-9
Endresen C (*see* Do et al). 2005;116:1314-20
Ennis M (*see* Crummy et al). 2005;116:312-7
Enomoto T (*see* Hirota et al). 2005;116:789-95
Enrique E, Ahrazem O, Bartra J, Latorre MD, Castelló JV, de Mateo JA, Montoya E, Malek T, Barber D, Salcedo G. Lipid transfer protein is involved in rhinoconjunctivitis and asthma produced by rice inhalation. 2005;116:926-8 (Letters to the editor)
Enrique E, Pineda F, Malek T, Bartra J, Basagaña M, Tella R, Castelló JV, Alonso R, de Mateo JA, Cerdá-Trias T, San Miguel-Moncín MdM, Monzón S, García M, Palacios R, Cisteró-Bahíma A. Sublingual immunotherapy for hazelnut food allergy: a randomized, double-blind, placebo-controlled study with a standardized hazelnut extract. 2005;116:1073-9

Eo H (*see* Park et al). 2005;116:1151-7
Erle DJ (*see* Kuperman et al). 2005;116:305-11
Ernst P (*see* Pepe et al). 2005;116:544-9
Espenshade BM (*see* Gomes et al). 2005;116:796-804
Evans III R (*see* Kattan et al). 2005;116:1058-63
Evans MD (*see* Lemanske et al). 2005;116:571-7

F

Fahy JV (*see* Kuperman et al). 2005;116:305-11
Failla M (*see* Vancheri et al). 2005;116:1242-8
Faith A, McDonald J, Peek E, Richards D, Caulfield J, Chevretton E, Roberts D, Lee T, Corrigan C, Hawrylowicz C. Functional plasticity of human respiratory tract dendritic cells: GM-CSF enhances T_H2 development. 2005;116:1136-43
Faruqi AZ (*see* Tarzi et al). 2005;116:1101-5 (Case study)
Fei M, Wu X, Xu Q. Astilbin inhibits contact hypersensitivity through negative cytokine regulation distinct from cyclosporin A. 2005;116:1350-6
Ferguson A (*see* Chan-Yeung et al). 2005;116:49-55
Fernandez-Rivas M (*see* Bolhaar et al). 2005;116:1080-6
Ferreira Cerdán A (*see* López-Granados et al). 2005;116:690-7
Feske S (*see* Cianferoni et al). 2005;116:1364-71
Fiebig H (*see* Jutel et al). 2005;116:608-13
Fieschi C (*see* Casanova et al). 2005;116:426-30 (Rostrum)
Filì L (*see* Romagnani et al). 2005;116:1372-9
Finn PW (*see* Abraham et al). 2005;116:431-7
Fischer ME (*see* Hallstrand et al). 2005;116:1235-41
Fischer R (*see* Stöcker et al). 2005;116:910-5
Fiset PO, Cameron L, Hamid Q. Local isotype switching to IgE in airway mucosa. 2005;116:233-6 (Images in allergy and immunology)
Fiset PO, Tulic MK, Hamid Q. Toll-like receptors and atopy. 2005;116:467-70 (Images in allergy and immunology)
Fisher LH (*see* Craig et al). 2005;116:1264-6
Fleischer DM, Conover-Walker MK, Matsui EC, Wood RA. The natural history of tree nut allergy. 2005;116:1087-93
Florvaag E (*see* Do et al). 2005;116:1314-20
Foarde K (*see* Rabinovitch et al). 2005;116:1053-7
Focke M (*see* Hufnagl et al). 2005;116:370-6
Foley S (*see* Pepe et al). 2005;116:544-9
Fontán Casariego G (*see* López-Granados et al). 2005;116:690-7
Fraser I (*see* McSharry et al). 2005;116:88-93
Freed BM (*see* Lambert et al). 2005;116:916-22
Freels S (*see* Eldeirawi et al). 2005;116:42-8
Friedlander SL, Busse WW. The role of rhinovirus in asthma exacerbations. 2005;116:267-73 (Rostrum)
Fuhlbrigge A, Sullivan SD. Response to Wolfe and Marks. 2005;116:230-1 (Correspondence). Correction 2005;116:936
Fujita K (*see* Hirota et al). 2005;116:789-95
Fukunaga A, Bito T, Tsuru K, Oohashi A, Yu X, Ichihashi M, Nishigori C, Horikawa T. Responsiveness to autologous sweat and serum in cholinergic urticaria classifies its clinical subtypes. 2005;116:397-402
Furukawa M (*see* Ebmeyer et al). 2005;116:1129-35

G

Gaeta TJ (*see* Clark et al). 2005;116:643-9
Gallego L (*see* Cianferoni et al). 2005;116:1364-71
Galli SJ (*see* Matsuda et al). 2005;116:1357-63
Gangnon RE (*see* Lemanske et al). 2005;116:571-7
García BE (*see* Tabar et al). 2005;116:109-18
García M (*see* Enrique et al). 2005;116:1073-9
García-Robaina JC (*see* Matheu et al). 2005;116:1167-8 (Correspondence)
García Rodríguez MC (*see* López-Granados et al). 2005;116:690-7
Gauger A (*see* Weidinger et al). 2005;116:177-84
Gauvreau GM, Boulet LP, Postma DS, Kawayama T, Watson RM, Duong M, Deschesnes F, Monchy JGR, O'Byrne PM. Effect of low-dose ciclesonide on allergen-induced responses in subjects with mild allergic asthma. 2005;116:285-91
Gauvreau GM, Plitt JR, Baatjes A, MacGlashan DW. Expression of functional cysteinyl leukotriene receptors by human basophils. 2005;116:80-7
Geha RS. Charles A. Janeway and Fred S. Rosen: the discovery of gamma globulin therapy and primary immunodeficiency diseases at Boston Children's Hospital. 2005;116:937-40 (The allergy archives)
Geha RS (*see* Bonilla and Geha). 2005;116:423-5
Geha RS (*see* Cianferoni et al). 2005;116:1364-71
Geha RS (*see* Laouini et al). 2005;116:390-6
Gelfand EW (*see* Miyahara et al). 2005;116:1020-7
Gelfand EW (*see* Rabinovitch et al). 2005;116:1053-7
Genain CP (*see* Menge et al). 2005;116:453-9
Gergen PJ (*see* Arbes et al). 2005;116:377-83
Gergen PJ (*see* Kattan et al). 2005;116:1058-63
Gern JE (*see* Lemanske et al). 2005;116:571-7
Gern JE (*see* Seroogy and Gern). 2005;116:996-9
Gerstner B (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Giannattasio G (*see* Triggiani et al). 2005;116:1000-6 (Review)
Gilbertson-White S (*see* Lemanske et al). 2005;116:571-7
Gili E (*see* Vancheri et al). 2005;116:1242-8
Gilissen LJWJ (*see* Bolhaar et al). 2005;116:1080-6
Gislason T (*see* Jarvis et al). 2005;116:675-82
Gleich GJ (*see* Ponikau et al). 2005;116:362-9
Goerlich R (*see* Stöcker et al). 2005;116:910-5
Gold DR, Acevedo-Garcia D. Immigration to the United States and acculturation as risk factors for asthma and allergy. 2005;116:38-41 (Editorial)
Gold DR (*see* Abraham et al). 2005;116:431-7
Goldberg J (*see* Hallstrand et al). 2005;116:1235-41
Golden DBK. Efficacy of ant venom immunotherapy and whole body extracts. 2005;116:465-6 (Letter reply)
Goleniewska K (*see* Hashimoto et al). 2005;116:550-7
Goleva E, Cardona ID, Ou L-S, Leung DYM. Factors that regulate naturally occurring T regulatory cell–mediated suppression. 2005;116:1094-100 (Rostrum)
Gomes I, Mathur SK, Espenshade BM, Mori Y, Varga J, Ackerman SJ. Eosinophil-fibroblast interactions induce

fibroblast IL-6 secretion and extracellular matrix gene expression: implications in fibrogenesis. 2005;116:796-804
Gómez B (*see* Tabar et al). 2005;116:109-18
Gonzalez-Mancebo E (*see* Bolhaar et al). 2005;116:1080-6
Gotfried M (*see* Bergeron et al). 2005;116:983-9
Gottschalk SM (*see* Pacheco et al). 2005;116:470-2 (Images in allergy and immunology)
Gould HJ (*see* Coker et al). 2005;116:445-52
Graham BS (*see* Hashimoto et al). 2005;116:550-7
Granata F (*see* Triggiani et al). 2005;116:1000-6 (Review)
Graves PE, Siroux V, Guerra S, Klimecki WT, Martinez FD. Association of atopy and eczema with polymorphisms in T-cell immunoglobulin domain and mucin domain—IL-2-inducible T-cell kinase gene cluster in chromosome 5q33. 2005;116:650-6
Gresik MV (*see* Pacheco et al). 2005;116:470-2 (Images in allergy and immunology)
Griffioen RW (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Grinshpun SA (*see* Ryan et al). 2005;116:279-84
Groer W (*see* Weidinger et al). 2005;116:177-84
Grossman WJ (*see* Lin et al). 2005;116:1106-15
Grüber C (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Gruchalla RS (*see* Kattan et al). 2005;116:1058-63
Grundy J (*see* Pereira et al). 2005;116:884-92
Grunstein JS (*see* Grunstein et al). 2005;116:94-101
Grunstein MM, Veler H, Shan X, Larson J, Grunstein JS, Chuang S. Proasthmatic effects and mechanisms of action of the dust mite allergen, Der p 1, in airway smooth muscle. 2005;116:94-101
Guajardo JR, Daines MO, Wills-Karp M, Aronow BJ, Hershey GK K. Gene expression profiles in childhood asthma: differentiating between stable and acute asthma. 2005;116:711-2 (Letter reply)
Guerra S (*see* Graves et al). 2005;116:650-6
Guilbert TW, Morgan WJ, Martinez FD. Atopic characteristics of children with recurrent wheezing at high risk for development of childhood asthma. 2005;116:931 (Letter reply)
Gupta S (*see* Stevenson et al). 2005;116:755-60
Gupta VK (*see* Kaur et al). 2005;116:1381-3 (Letters to the editor)
Gustafsson D (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Gustafsson L (*see* Nilsson et al). 2005;116:438-44
Gustchina A (*see* Wünschmann et al). 2005;116:140-5

H

Hack CE (*see* van Doorn et al). 2005;116:876-83
Hagemann T (*see* Mothes et al). 2005;116:706-9 (Letters to the editor)
Hallstrand TS, Fischer ME, Wurfel MM, Afari N, Buchwald D, Goldberg J. Genetic pleiotropy between asthma and obesity in a community-based sample of twins. 2005;116:1235-41
Hallstrand TS, Moody MW, Aitken ML, Henderson Jr WR. Airway immunopathology of asthma with exercise-induced bronchoconstriction. 2005;116:586-93
Halm EA (*see* Busse et al). 2005;116:146-52
Halm EA (*see* Wisnivesky et al). 2005;116:636-42
Halsey JF (*see* Pate et al). 2005;116:844-50
Hamada K (*see* Suzaki et al). 2005;116:1220-7
Hamard P (*see* Baudouin et al). 2005;116:614-9
Hamelmann E (*see* Kroczek and Hamelmann). 2005;116:906-9 (Review)
Hamid Q (*see* Bergeron et al). 2005;116:983-9, 1393-6 (Images in allergy and immunology)
Hamid Q (*see* Elias et al). 2005;116:497-500
Hamid Q (*see* Fiset et al). 2005;116:233-6 (Images in allergy and immunology), 467-70 (Images in allergy and immunology)
Hamid Q (*see* Joubert and Hamid). 2005;116:713-6 (Images in allergy and immunology)
Hamid Q (*see* Mazer et al). 2005;116:941-4 (Images in allergy and immunology)
Hamid Q (*see* Pepe et al). 2005;116:544-9
Hamilos DL, Lanza DC, Kennedy DW. Rhinosinusitis and the revised "Sinusitis practice parameters." 2005;116:1267-8 (Editorial)
Hamilton RG (*see* Pate et al). 2005;116:844-50
Hammad H (*see* Pochard et al). 2005;116:198-204
Hammes M (*see* Pfab et al). 2005;116:1386-8 (Letters to the editor)
Hanks CD (*see* Craig et al). 2005;116:1264-6
Haraldsson A (*see* Kristjansson et al). 2005;116:805-11
Harbeck RJ (*see* Martyny et al). 2005;116:630-5
Haribhai D (*see* Lin et al). 2005;116:1106-15
Harries HE (*see* Coker et al). 2005;116:445-52
Hartnell A (*see* Heinemann et al). 2005;116:820-6
Harvima I (*see* Amin et al). 2005;116:1383-6 (Letters to the editor)
Hasegawa K (*see* Hirota et al). 2005;116:789-95
Haselkorn T (*see* Mascia et al). 2005;116:970-5
Hashimoto K, Durbin JE, Zhou W, Collins RD, Ho SB, Kolls JK, Dubin PJ, Sheller JR, Goleniewska K, O'Neal JF, Olson SJ, Mitchell D, Graham BS, Peebles Jr RS. Respiratory syncytial virus infection in the absence of *STAT1* results in airway dysfunction, airway mucus, and augmented IL-17 levels. 2005;116:550-7
Hatab AZ, Ballas ZK. Caseating granulomatous disease in common variable immunodeficiency treated with infliximab. 2005;116:1161-2 (Letters to the editor)
Hatab AZ, McDanel D, Ballas ZK. Perilesional GM-CSF therapy of a chronic leg ulcer in a patient with common variable immunodeficiency. 2005;116:460-2 (Letters to the editor)
Hattotuwa K (*see* Tarzi et al). 2005;116:1101-5 (Case study)
Hauber HP (*see* Bergeron et al). 2005;116:983-9
Hauser SL (*see* Menge et al). 2005;116:453-9
Hawrylowicz C (*see* Faith et al). 2005;116:1136-43
Heaney LG (*see* Crummy et al). 2005;116:312-7
Heddle RJ (*see* Brown et al). 2005;116:464-5 (Correspondence)
Heederik D (*see* Elliott et al). 2005;116:127-32
Heinemann A, Sturm GJ, Ofner M, Sturm EM, Weller C, Peskar BA, Hartnell A. Stem cell factor stimulates the

chemotaxis, integrin upregulation, and survival of human basophils. 2005;116:820-6
Heinemann A (*see* Sturm et al). 2005;116:1014-9
Heinrich J (*see* Jarvis et al). 2005;116:675-82
Heinrich J (*see* Weidinger et al). 2005;116:177-84
Hendeles L (*see* Khan et al). 2005;116:924-6 (Letters to the editor)
Henderson Jr WR, Banerjee ER, Chi EY. Differential effects of (S)- and (R)-enantiomers of albuterol in a mouse asthma model. 2005;116:332-40
Henderson Jr WR (*see* Hallstrand et al). 2005;116:586-93
Hernandez J (*see* Small et al). 2005;116:1275-81
Hershey GK K (*see* Guajardo et al). 2005;116:711-2 (Letter reply)
Hirai K (*see* Iikura et al). 2005;116:578-85
Hirohata S (*see* Shibuya and Hirohata). 2005;116:205-12
Hirota T, Suzuki Y, Hasegawa K, Obara K, Matsuda A, Akahoshi M, Nakashima K, Cheng L, Takahashi N, Shimizu M, Doi S, Fujita K, Enomoto T, Ebisawa M, Yoshihara S, Nakamura Y, Kishi F, Shirakawa T, Tamari M. Functional haplotypes of *IL-12B* are associated with childhood atopic asthma. 2005;116:789-95
Hirvonen M-R (*see* Roponen et al). 2005;116:1048-52
Ho SB (*see* Hashimoto et al). 2005;116:550-7
Hobby P (*see* Coker et al). 2005;116:445-52
Hoekstra MO (*see* Kapitein et al). 2005;116:710-1 (Correspondence)
Hoffmann-Sommergruber K (*see* Bolhaar et al). 2005;116:1080-6
Hoffmann U (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Holgate S (*see* Norris et al). 2005;116:761-7
Holt PG, Upham JW, Sly PD. Contemporaneous maturation of immunologic and respiratory functions during early childhood: implications for development of asthma prevention strategies. 2005;116:16-24 (Review)
Holt PG (*see* Kusel et al). 2005;116:1067-72
Homer RJ (*see* Elias et al). 2005;116:497-500
Homma I (*see* Suzaki et al). 2005;116:1220-7
Hopp RJ. Atopic characteristics of children with recurrent wheezing at high risk for development of childhood asthma. 2005;116:930-1 (Correspondence)
Horak F (*see* Reisinger et al). 2005;116:347-54
Hordvik I (*see* Do et al). 2005;116:1314-20
Horikawa T (*see* Fukunaga et al). 2005;116:397-402
Horner AA (*see* Boasen et al). 2005;116:185-91
Howard RS (*see* Carr et al). 2005;116:341-6
Hreiche R (*see* Baudouin et al). 2005;116:614-9
Hu ZQ (*see* Wen et al). 2005;116:517-24
Huffnagle GB (*see* Amlie-Lefond et al). 2005;116:1334-42
Hufnagl K, Winkler B, Focke M, Valenta R, Scheiner O, Renz H, Wiedermann U. Intranasal tolerance induction with polypeptides derived from 3 noncross-reactive major aeroallergens prevents allergic polysensitization in mice. 2005;116:370-6
Huhn M (*see* Stöcker et al). 2005;116:910-5
Huhtala H (*see* Pasternack et al). 2005;116:1123-8
Hulkkonen J (*see* Karjalainen et al). 2005;116:223-5 (Letters to the editor)
Hunger RE, Hunziker T, Buettiker U, Braathen LR, Yawalkar N. Rapid resolution of toxic epidermal necrolysis with anti-TNF-α treatment. 2005;116:923-4
Hunter DD (*see* Chuaychoo et al). 2005;116:325-31
Hunziker T (*see* Hunger et al). 2005;116:923-4
Hurme M (*see* Karjalainen et al). 2005;116:223-5 (Letters to the editor)
Huss-Marp J (*see* Pfab et al). 2005;116:1386-8 (Letters to the editor)
Hussain I (*see* Win et al). 2005;116:225-8 (Letters to the editor)
Hyvärinen A (*see* Roponen et al). 2005;116:1048-52

I

Ichihashi M (*see* Fukunaga et al). 2005;116:397-402
Iijima K (*see* Radhakrishnan et al). 2005;116:668-74
Iikura M, Suzukawa M, Yamaguchi M, Sekiya T, Komiya A, Yoshimura-Uchiyama C, Nagase H, Matsushima K, Yamamoto K, Hirai K. 5-Lipoxygenase products regulate basophil functions: 5-Oxo-ETE elicits migration, and leukotriene B_4 induces degranulation. 2005;116:578-85
Iikura M (*see* Matsuda et al). 2005;116:1357-63
Ikeda N (*see* Suzaki et al). 2005;116:1220-7
Illig T (*see* Weidinger et al). 2005;116:177-84
Im SY (*see* Choi et al). 2005;116:537-43
Incorvaia C (*see* Pajno et al). 2005;116:1380-1 (Letters to the editor)
Isaacs JD (*see* Ryan et al). 2005;116:1158-9 (Letters to the editor)
Isolauri E (*see* Rautava et al). 2005;116:31-7
Ito K (*see* Ricciardolo et al). 2005;116:1028-35
Ito T (*see* Suzaki et al). 2005;116:1220-7
Iwase M (*see* Suzaki et al). 2005;116:1220-7

J

Jackson DJ (*see* Lemanske et al). 2005;116:571-7
Jacobson MR (*see* Nouri-Aria et al). 2005;116:73-9
Jaeger L (*see* Jutel et al). 2005;116:608-13
Jahn-Schmid B, Radakovics A, Lüttkopf D, Scheurer S, Vieths S, Ebner C, Bohle B. Bet v $1_{142-156}$ is the dominant T-cell epitope of the major birch pollen allergen and important for cross-reactivity with Bet v 1–related food allergens. 2005;116:213-9
Jahn-Schmid B (*see* Schimek et al). 2005;116:1327-33
Jakob T (*see* Weidinger et al). 2005;116:177-84
Jansen HN (*see* Koopmans et al). 2005;116:1007-13
Jansen J (*see* Bolhaar et al). 2005;116:1080-6
Jansen KJ (*see* Sedgwick et al). 2005;116:812-9
Janson C (*see* Amin et al). 2005;116:1383-6 (Letters to the editor)
Janson C (*see* Jarvis et al). 2005;116:675-82
Janssen EM (*see* Encinas et al). 2005;116:1343-9
Jarvinen KM (*see* Beyer et al). 2005;116:704-5 (Letters to the editor)
Jarvis D, Luczynska C, Chinn S, Potts J, Sunyer J, Janson C, Svanes C, Künzli N, Leynaert B, Heinrich J, Kerkhof M, Ackermann-Liebrich U, Antó JM, Cerveri I, de Marco R, Gislason T, Neukirch F, Vermeire P, Wjst M, Burney P.

Change in prevalence of IgE sensitization and mean total IgE with age and cohort. 2005;116:675-82
Jenneck C (*see* Mothes et al). 2005;116:706-9 (Letters to the editor)
Jenner M (*see* Tarzi et al). 2005;116:1101-5 (Case study)
Jin M (*see* Park et al). 2005;116:1151-7
Joetham A (*see* Miyahara et al). 2005;116:1020-7
Johansson SGO (*see* Williams and Johansson). 2005;116: 1064-6 (Editorial)
Johnson C (*see* Miller et al). 2005;116:990-5
Johnson CC (*see* Williams et al). 2005;116:102-8
Johnson D (*see* Bakhireva et al). 2005;116:503-9
Johnson GM (*see* Rosenblatt et al). 2005;116:698-703
Johnson MS (*see* Schatz et al). 2005;116:1307-13
Johnson VJ, Yucesoy B, Luster MI. Prevention of IL-1 signaling attenuates airway hyperresponsiveness and inflammation in a murine model of toluene diisocyanate–induced asthma. 2005;116:851-8
Jones KL (*see* Bakhireva et al). 2005;116:503-9
Jonsdottir I (*see* Kristjansson et al). 2005;116:805-11
Joos KM (*see* Bui et al). 2005;116:1042-7
José HS (*see* Batista et al). 2005;116:403-10
Joubert P, Hamid Q. Role of airway smooth muscle in airway remodeling. 2005;116:713-6 (Images in allergy and immunology)
Juhn YJ, Weaver A, Katusic S, Yunginger J. Mode of delivery at birth and development of asthma: a population-based cohort study. 2005;116:510-6
Just N (*see* Pochard et al). 2005;116:198-204
Jutel M, Jaeger L, Suck R, Meyer H, Fiebig H, Cromwell O. Allergen-specific immunotherapy with recombinant grass pollen allergens. 2005;116:608-13

K

Kalach N, Soulaines P, de Boissieu D, Dupont C. A pilot study of the usefulness and safety of a ready-to-use atopy patch test (Diallertest) versus a comparator (Finn Chamber) during cow's milk allergy in children. 2005;116:1321-6
Kalliomäki M (*see* Rautava et al). 2005;116:31-7
Kanda N, Koike S, Watanabe S. IL-17 suppresses TNF-α–induced CCL27 production through induction of COX-2 in human keratinocytes. 2005;116:1144-50
Kapitein B, Knol EF, Hoekstra MO. Gene expression profiles in childhood asthma: differentiating between stable and acute asthma. 2005;116:710-1 (Correspondence)
Karjalainen J, Virta M, Pessi T, Hulkkonen J, Nieminen MM, Hurme M. Childhood cat exposure–related tolerance is associated with *IL1A* and *IL10* polymorphisms. 2005;116: 223-5 (Letters to the editor)
Karjalainen J (*see* Pasternack et al). 2005;116:1123-8
Kashizuka H (*see* Suzaki et al). 2005;116:1220-7
Kasran A (*see* De Swerdt et al). 2005;116:662-7
Katial RK (*see* Silkoff et al). 2005;116:1249-55
Kato T, Takai T, Mitsuishi K, Okumura K, Ogawa H. Cystatin A inhibits IL-8 production by keratinocytes stimulated with Der p 1 and Der f 1: biochemical skin barrier against mite cysteine proteases. 2005;116:169-76
Kattan M, Stearns SC, Crain EF, Stout JW, Gergen PJ, Evans III R, Visness CM, Gruchalla RS, Morgan WJ, O'Connor GT, Mastin JP, Mitchell HE. Cost-effectiveness of a home-based environmental intervention for inner-city children with asthma. 2005;116:1058-63
Kattan M (*see* Wen et al). 2005;116:517-24
Katusic S (*see* Juhn et al). 2005;116:510-6
Kaur S, Gupta VK, Shah A, Thiel S, Sarma PU, Madan T. Plasma mannan-binding lectin levels and activity are increased in allergic patients. 2005;116:1381-3 (Letters to the editor)
Kavanaugh A (*see* Lee and Kavanaugh). 2005;116:900-5 (Rostrum)
Kawai K, Tsuno NH, Matsuhashi M, Kitayama J, Osada T, Yamada J, Tsuchiya T, Yoneyama S, Watanabe T, Takahashi K, Nagawa H. CD11b-mediated migratory property of peripheral blood B cells. 2005;116:192-7
Kawakami T (*see* Matsuda et al). 2005;116:1357-63
Kawamoto S (*see* Laouini et al). 2005;116:390-6
Kawayama T (*see* Gauvreau et al). 2005;116:285-91
Kay AB (*see* Ong et al). 2005;116:558-64
Kazaks A, Uriu-Adams JY, Stern JS, Albertson TE. No significant relationship between exhaled nitric oxide and body mass index in people with asthma. 2005;116:929-30 (Correspondence)
Kehrt R (*see* Söderhäll et al). 2005;116:220-! (Letters to the editor)
Kemp AS (*see* Tovey and Kemp). 2005;116:119-21 (Editorial)
Kemp SF (*see* Lieberman et al). 2005;116:933-6 (Letter reply)
Kennedy DW (*see* Hamilos et al). 2005;116:1267-8 (Editorial)
Kennedy JD (*see* Sedgwick et al). 2005;116:812-9
Kephart GM (*see* Ponikau et al). 2005;116:362-9
Kerkhof M (*see* Jarvis et al). 2005;116:675-82
Kern EB (*see* Ponikau et al). 2005;116:362-9
Kerwin E (*see* Pearlman et al). 2005;116:1206-12
Keski-Nisula L (*see* Roponen et al). 2005;116:1048-52
Khan YR, McDonough P, Cockcroft DW, David BE, Hendeles L. Nebulizer output for methacholine challenges with the KoKo Digidoser. 2005;116:924-6 (Letters to the editor)
Kim B (*see* Park et al). 2005;116:1151-7
Kim JH (*see* Choi et al). 2005;116:537-43
Kim JS, Sinacore JM, Pongracic JA. Parental use of EpiPen for children with food allergies. 2005;116:164-8
Kim S (*see* Park et al). 2005;116:1151-7
Kim Y-K (*see* Chang et al). 2005;116:1388-90 (Letters to the editor)
Kim Y (*see* Park et al). 2005;116:1151-7
Kim Y-Y (*see* Chang et al). 2005;116:1388-90 (Letters to the editor)
Kim YS (*see* Choi et al). 2005;116:537-43
Kimoff J (*see* Bergeron et al). 2005;116:1393-6 (Images in allergy and immunology)
Kimura H (*see* Suzaki et al). 2005;116:1220-7
Kirk CJ (*see* Lemanske et al). 2005;116:571-7
Kirkesseli S (*see* Norris et al). 2005;116:761-7
Kishi F (*see* Hirota et al). 2005;116:789-95
Kita H (*see* Bartemes et al). 2005;116:827-35

Kita H (*see* Ponikau et al). 2005;116:362-9
Kita H (*see* Radhakrishnan et al). 2005;116:668-74
Kita H (*see* Sedgwick et al). 2005;116:812-9
Kitayama J (*see* Kawai et al). 2005;116:192-7
Klimecki W (*see* Eder et al). 2005;116:601-7
Klimecki WT (*see* Graves et al). 2005;116:650-6
Kline JN (*see* Racila and Kline). 2005;116:1202-5
Klockenbring T (*see* Stöcker et al). 2005;116:910-5
Klopp N (*see* Weidinger et al). 2005;116:177-84
Knol EF (*see* Beeren et al). 2005;116:228-9 (Letters to the editor)
Knol EF (*see* Kapitein et al). 2005;116:710-1 (Correspondence)
Knulst AC (*see* Bolhaar et al). 2005;116:1080-6
Ko HM (*see* Choi et al). 2005;116:537-43
Ko J (*see* Wen et al). 2005;116:517-24
Kobayashi T (*see* Radhakrishnan et al). 2005;116:668-74
Kobzik L (*see* Suzaki et al). 2005;116:1220-7
Kochuyt AM (*see* De Swerdt et al). 2005;116:662-7
Koike S (*see* Kanda et al). 2005;116:1144-50
Kok I (*see* Beeren et al). 2005;116:228-9 (Letters to the editor)
Kollarik M (*see* Chuaychoo et al). 2005;116:325-31
Kollarik M (*see* Taylor-Clark et al). 2005;116:1282-8
Kolls JK (*see* Hashimoto et al). 2005;116:550-7
Komiya A (*see* Iikura et al). 2005;116:578-85
König F (*see* Reisinger et al). 2005;116:347-54
Koopmans JG, Lutter R, Jansen HN, van der Zee JS. Adding salmeterol to an inhaled corticosteroid reduces allergen-induced serum IL-5 and peripheral blood eosinophils. 2005;116:1007-13
Kristjansson S, Bjarnarson SP, Wennergren G, Palsdottir AH, Arnadottir T, Haraldsson A, Jonsdottir I. Respiratory syncytial virus and other respiratory viruses during the first 3 months of life promote a local T_H2-like response. 2005;116:805-11
Kroczek R, Hamelmann E. T-cell costimulatory molecules: optimal targets for the treatment of allergic airway disease with monoclonal antibodies. 2005;116:906-9 (Review)
Krogstad PA (*see* Rosenblatt et al). 2005;116:698-703
Krueger JM (*see* Majde and Krueger). 2005;116:1188-98 (Review)
Kull I, Böhme M, Wahlgren CF, Nordvall L, Pershagen G, Wickman M. Breast-feeding reduces the risk for childhood eczema. 2005;116:657-61
Kundu S (*see* Pearlman et al). 2005;116:1206-12
Künzli N (*see* Jarvis et al). 2005;116:675-82
Kuperman DA, Lewis CC, Woodruff PG, Rodriguez MW, Yang YH, Dolganov GM, Fahy JV, Erle DJ. Dissecting asthma using focused transgenic modeling and functional genomics. 2005;116:305-11
Kusel MMH, Holt PG, de Klerk N, Sly PD. Support for 2 variants of eczema. 2005;116:1067-72

L

La Rosa C (*see* Vancheri et al). 2005;116:1242-8
LaForce C (*see* Pearlman et al). 2005;116:1206-12
Lalive PH (*see* Menge et al). 2005;116:453-9
Lambert C, McCue J,, Portas M,, Ouyang Y, Li J, Rosano TG, Lazis A, Freed BM. Acrolein in cigarette smoke inhibits T-cell responses. 2005;116:916-22
Lang DM (*see* Lieberman et al). 2005;116:933-6 (Letter reply)
Lang-Loidolt D (*see* Sturm et al). 2005;116:1014-9
Lanza DC (*see* Hamilos et al). 2005;116:1267-8 (Editorial)
Laouini D, ElKhal A, Yalcindag A, Kawamoto S, Oettgen H, Geha RS. COX-2 inhibition enhances the T_H2 immune response to epicutaneous sensitization. 2005;116:390-6
Larson J (*see* Grunstein et al). 2005;116:94-101
Lasagni L (*see* Romagnani et al). 2005;116:1372-9
Latorre MD (*see* Enrique et al). 2005;116:926-8 (Letters to the editor)
Lawson CA (*see* Ryan et al). 2005;116:1158-9 (Letters to the editor)
Lazaar AL, Panettieri Jr RA. Airway smooth muscle: a modulator of airway remodeling in asthma. 2005;116:488-95 (Review)
Lazis A (*see* Lambert et al). 2005;116:916-22
Lazzeri E (*see* Romagnani et al). 2005;116:1372-9
Lebet L (*see* Boasen et al). 2005;116:185-91
Ledford D, Lieberman P. Carbapenem cross-reactivity with penicillin. 2005;116:1169 (Letter reply)
Lee CG (*see* Elias et al). 2005;116:497-500
Lee DKC (*see* Currie et al). 2005;116:230 (Correspondence)
Lee HJ (*see* Park et al). 2005;116:1151-7
Lee HK (*see* Choi et al). 2005;116:537-43
Lee JH (*see* Choi et al). 2005;116:537-43
Lee SJ, Kavanaugh A. Adverse reactions to biologic agents: focus on autoimmune disease therapies. 2005;116:900-5 (Rostrum)
Lee T (*see* Faith et al). 2005;116:1136-43
Lee YA (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Lee YC (*see* Choi et al). 2005;116:537-43
Leichtl S (*see* van Schalkwyk et al). 2005;116:292-8
Lemanske Jr. RF, Jackson DJ, Gangnon RE, Evans MD, Li Z, Shult PA, Kirk CJ, Reisdorf E, Roberg KA, Anderson EL, Carlson-Dakes KT, Adler KJ, Gilbertson-White S, Pappas TE, DaSilva DF, Tisler CJ, Gern JE. Rhinovirus illnesses during infancy predict subsequent childhood wheezing. 2005;116:571-7
LeMasters G (*see* Ryan et al). 2005;116:279-84
Lemiere C, Blais L. Are inhaled corticosteroids taken during pregnancy harmless? 2005;116:501-2 (Editorial). Correction 2005;116:1212
Lemiere C (*see* Pepe et al). 2005;116:544-9
Lemière C (*see* Yacoub et al). 2005;116:462 (Letters to the editor)
Lencer DA (*see* Shreffler et al). 2005;116:893-9
Lent AM (*see* Silkoff et al). 2005;116:1249-55
Leong A (*see* Schatz et al). 2005;116:1307-13
Leung DYM, Nelson HS, Szefler SJ. Immunotherapy compliance with different routes of administration. 2005;116:1178
Leung DYM, Nelson HS, Szfler SJ, Busse WW. The editors' choice. 2005;116:1-2

Leung DYM, Nelson HS, Szfler SJ. The editors' choice. 2005;116:239-40, 475-6, 719-20, 947-8, 1177-8
Leung DYM (*see* Bender and Leung). 2005;116:1200-1 (Editorial)
Leung DYM (*see* Goleva et al). 2005;116:1094-100 (Rostrum)
Leung DYM (*see* Sicherer and Leung). 2005;116:153-63
Leventhal H (*see* Wisnivesky et al). 2005;116:636-42
Levi M (*see* van Doorn et al). 2005;116:876-83
Levi-Schaffer F (*see* Puxeddu et al). 2005;116:531-6 (Rostrum)
Lewis CC (*see* Kuperman et al). 2005;116:305-11
Leynaert B (*see* Jarvis et al). 2005;116:675-82
Li GH (*see* Wen et al). 2005;116:517-24
Li J (*see* Lambert et al). 2005;116:916-22
Li JT, Oppenheimer J, Bernstein IL, Nicklas RA. Attaining optimal asthma control: a practice parameter. 2005;116: S3-S11 (Practice parameter)
Li X-M (*see* Busse et al). 2005;116:1256-63
Li XM (*see* Wen et al). 2005;116:517-24
Li Z (*see* Lemanske et al). 2005;116:571-7
Liang H (*see* Baudouin et al). 2005;116:614-9
Lieberman P. Factitious anaphylaxis and prevarication anaphylaxis. 2005;116:710 (Letter reply)
Lieberman P, Kemp SF, Oppenheimer J, Lang DM, Bernstein IL, Nicklas RA. β-Blockers and anaphylaxis: Are the risks overstated? 2005;116:933-6 (Letter reply)
Lieberman P (*see* Ledford and Lieberman). 2005;116:1169 (Letter reply)
Lilic D (*see* Ryan et al). 2005;116:1158-9 (Letters to the editor)
Lilja G (*see* Nilsson et al). 2005;116:438-44
Lilley M (*see* Chan-Yeung et al). 2005;116:49-55
Limb SL, Brown KC, Wood RA, Wise RA, Eggleston PA, Tonascia J, Adkinson NJ Jr. Irreversible lung function deficits in young adults with a history of childhood asthma. 2005;116:1213-9
Lin BP (*see* Busse et al). 2005;116:1256-63
Lin W, Truong N, Grossman WJ, Haribhai D, Williams CB, Wang J, Martín MG, Chatila TA. Allergic dysregulation and hyperimmunoglobulinemia E in Foxp3 mutant mice. 2005;116:1106-15
Linde A (*see* Nilsson et al). 2005;116:438-44
Liossis SNC, Tsokos GC. Monoclonal antibodies and fusion proteins in medicine. 2005;116:721-9 (Review)
Liotta F (*see* Romagnani et al). 2005;116:1372-9
Liu AH (*see* Rabinovitch et al). 2005;116:1053-7
Livingston E (*see* McSharry et al). 2005;116:88-93
Livingston M (*see* Crummy et al). 2005;116:312-7
Lizaso MT (*see* Tabar et al). 2005;116:109-18
Lockey J (*see* Ryan et al). 2005;116:279-84
LoFurno D (*see* Vancheri et al). 2005;116:1242-8
Lombardo F (*see* Pajno et al). 2005;116:1380-1 (Letters to the editor)
London SJ (*see* Salo et al). 2005;116:623-9
Long AA (*see* Clark et al). 2005;116:643-9
Longhurst HJ (*see* Tarzi et al). 2005;116:1101-5 (Case study)
Loomis D (*see* Elliott et al). 2005;116:127-32
López-Granados E, Pérez de Diego R, Ferreira Cerdán A, Fontán Casariego G, García Rodríguez MC. A genotype-phenotype correlation study in a group of 54 patients with X-linked agammaglobulinemia. 2005;116:690-7
Lorenzi AR (*see* Ryan et al). 2005;116:1158-9 (Letters to the editor)
Luczynska C (*see* Jarvis et al). 2005;116:675-82
Ludwig MS (*see* Bergeron et al). 2005;116:983-9
Ludwig MS (*see* Pepe et al). 2005;116:544-9
Luster MI (*see* Johnson et al). 2005;116:851-8
Lutter R (*see* Koopmans et al). 2005;116:1007-13
Lüttkopf D (*see* Jahn-Schmid et al). 2005;116:213-9

M

MacGlashan DW Jr (*see* Taylor-Clark et al). 2005;116: 1282-8
MacGlashan DW (*see* Gauvreau et al). 2005;116:80-7
Madan T (*see* Kaur et al). 2005;116:1381-3 (Letters to the editor)
Madonini E (*see* Asero et al). 2005;116:1036-41
Maggi E (*see* Romagnani et al). 2005;116:1372-9
Maggi L (*see* Romagnani et al). 2005;116:1372-9
Mahut B (*see* de Blic et al). 2005;116:750-4
Majde JA, Krueger JM. Links between the innate immune system and sleep. 2005;116:1188-98 (Review)
Mäkelä MJ (*see* Saarinen et al). 2005;116:869-75
Malek T (*see* Enrique et al). 2005;116:926-8 (Letters to the editor), 1073-9
Malo JL (*see* Yacoub et al). 2005;116:462 (Letters to the editor)
Manique A (*see* Batista et al). 2005;116:403-10
Manousakas T (*see* Xepapadaki et al). 2005;116:299-304
Manoussakis E (*see* Xepapadaki et al). 2005;116:299-304
Marcotegui F (*see* Tabar et al). 2005;116:109-18
Marenholz I (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Markowitz M (*see* Mehandru et al). 2005;116:419-22
Marone G (*see* Triggiani et al). 2005;116:1000-6 (Review)
Marshall S (*see* Elliott et al). 2005;116:127-32
Martin B (*see* Carr et al). 2005;116:341-6
Martin JG (*see* Pepe et al). 2005;116:544-9
Martín MG (*see* Lin et al). 2005;116:1106-15
Martin RJ (*see* Whelan et al). 2005;116:525-30
Martin S (*see* Tabar et al). 2005;116:109-18
Martinez FD (*see* Eder et al). 2005;116:601-7
Martinez FD (*see* Graves et al). 2005;116:650-6
Martinez FD (*see* Guilbert et al). 2005;116:931 (Letter reply)
Martyny JW, Harbeck RJ, Pacheco K, Barker EA, Sills M, Silveira L, Arbuckle S, Newman L. Aerosolized sodium hypochlorite inhibits viability and allergenicity of mold on building materials. 2005;116:630-5
Mascia K, Haselkorn T, Deniz YM, Miller DP, Bleecker ER, Borish L. Aspirin sensitivity and severity of asthma: evidence for irreversible airway obstruction in patients with severe or difficult-to-treat asthma. 2005;116:970-5
Massaad M (*see* Cianferoni et al). 2005;116:1364-71
Mastin JP (*see* Kattan et al). 2005;116:1058-63

Mastruzzo C (*see* Vancheri et al). 2005;116:1242-8
Matheu V, Pérez-Rodriguez E, Sánchez-Machin I, de la Torre F, García-Robaina JC. Major and minor determinants are high-performance skin tests in β-lactam allergy diagnosis. 2005;116:1167-8 (Correspondence)
Mathur SK (*see* Gomes et al). 2005;116:796-804
Matsuda A (*see* Hirota et al). 2005;116:789-95
Matsuda K, Piliponsky AM, Iikura M, Nakae S, Wang EW, Dutta SM, Kawakami T, Tsai M, Galli SJ. Monomeric IgE enhances human mast cell chemokine production: IL-4 augments and dexamethasone suppresses the response. 2005;116:1357-63
Matsuhashi M (*see* Kawai et al). 2005;116:192-7
Matsui EC (*see* Fleischer et al). 2005;116:1087-93
Matsumoto K (*see* Saito et al). 2005;116:56-9
Matsushima K (*see* Iikura et al). 2005;116:578-85
Mazer BD, Al-Tamemi S, Yu JW, Hamid Q. Immune supplementation and immune modulation with intravenous immunoglobulin. 2005;116:941-4 (Images in allergy and immunology)
Mazzinghi B (*see* Romagnani et al). 2005;116:1372-9
McConnell R (*see* Eldeirawi et al). 2005;116:42-8
McCormick TG (*see* Pacheco et al). 2005;116:470-2 (Images in allergy and immunology)
McCue J, (*see* Lambert et al). 2005;116:916-22
McDanel D (*see* Hatab et al). 2005;116:460-2 (Letters to the editor)
McDonald J (*see* Faith et al). 2005;116:1136-43
McDonough P (*see* Khan et al). 2005;116:924-6 (Letters to the editor)
McElwain K (*see* Cho et al). 2005;116:1116-22
McElwain S (*see* Cho et al). 2005;116:1116-22
McKay IC (*see* McSharry et al). 2005;116:88-93
McSharry CP, McKay IC, Chaudhuri R, Livingston E, Fraser I, Thomson NC. Short and long-term effects of cigarette smoking independently influence exhaled nitric oxide concentration in asthma. 2005;116:88-93
Meglio P (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Mehandru S, Tenner-Racz K, Racz P, Markowitz M. The gastrointestinal tract is critical to the pathogenesis of acute HIV-1 infection. 2005;116:419-22
Mehra PK (*see* Stevenson et al). 2005;116:755-60
Mehta J (*see* Arbes et al). 2005;116:133-9
Meier EA. Carbapenem cross-reactivity with penicillin. 2005;116:1169 (Correspondence)
Meltzer EO, Bachert C, Staudinger H. Treating acute rhinosinusitis: comparing efficacy and safety of mometasone furoate nasal spray, amoxicillin, and placebo. 2005;116:1289-95
Mendoza G (*see* Schatz et al). 2005;116:1307-13
Meng J (*see* Poole et al). 2005;116:780-8
Menge T, Lalive PH, von Büdingen HC, Cree B, Hauser SL, Genain CP. Antibody responses against galactocerebroside are potential stage-specific biomarkers in multiple sclerosis. 2005;116:453-9
Menzies-Gow A (*see* Ong et al). 2005;116:558-64
Meyer H (*see* Jutel et al). 2005;116:608-13
Miller B (*see* Norris et al). 2005;116:761-7
Miller DP (*see* Mascia et al). 2005;116:970-5
Miller DP (*see* Miller et al). 2005;116:990-5
Miller JFAP. How the immunologic function of the thymus was discovered. 2005;116:1171-4 (The allergy archives)
Miller M (*see* Cho et al). 2005;116:1116-22
Miller MK, Johnson C, Miller DP, Deniz Y, Bleecker ER, Wenzel SE. Severity assessment in asthma: an evolving concept. 2005;116:990-5
Miller MM, Miller MM. β-Blockers and anaphylaxis: Are the risks overstated? 2005;116:931-3 (Correspondence)
Miller MM (*see* Miller and Miller). 2005;116:931-3 (Correspondence)
Millet S (*see* Norris et al). 2005;116:761-7
Milton DK (*see* Abraham et al). 2005;116:431-7
Min K-U (*see* Chang et al). 2005;116:1388-90 (Letters to the editor)
Mishoe M (*see* Beyer et al). 2005;116:704-5 (Letters to the editor)
Mistrello G (*see* Asero et al). 2005;116:1036-41
Mitchell D (*see* Hashimoto et al). 2005;116:550-7
Mitchell HE (*see* Kattan et al). 2005;116:1058-63
Mitsuishi K (*see* Kato et al). 2005;116:169-76
Miyahara N (*see* Miyahara et al). 2005;116:1020-7
Miyahara S, Miyahara N, Takeda K, Joetham A, Gelfand EW. Physiologic assessment of allergic rhinitis in mice: Role of the high-affinity IgE receptor (FεRI). 2005;116:1020-7
Miyamoto K (*see* Suzaki et al). 2005;116:1220-7
Moll T (*see* Encinas et al). 2005;116:1343-9
Monchy JGR (*see* Gauvreau et al). 2005;116:285-91
Montella S (*see* Santamaria et al). 2005;116:1163-4 (Correspondence)
Montgomery SM (*see* Nilsson et al). 2005;116:438-44
Montoya E (*see* Enrique et al). 2005;116:926-8 (Letters to the editor)
Monzón S (*see* Enrique et al). 2005;116:1073-9
Moody MW (*see* Hallstrand et al). 2005;116:586-93
Morgan AJ, Symon FA, Berry MA, Pavord ID, Corrigan CJ, Wardlaw AJ. IL-4—expressing bronchoalveolar T cells from asthmatic and healthy subjects preferentially express CCR3 and CCR4. 2005;116:594-600
Morgan WJ (*see* Guilbert et al). 2005;116:931 (Letter reply)
Morgan WJ (*see* Kattan et al). 2005;116:1058-63
Mori Y (*see* Gomes et al). 2005;116:796-804
Mosen D (*see* Schatz et al). 2005;116:1307-13
Moss RB (*see* Encinas et al). 2005;116:1343-9
Mothes N, Niggemann B, Jenneck C, Hagemann T, Weidinger S, Bieber T, Valenta R, Novak N. The cradle of IgE autoreactivity in atopic eczema lies in early infancy. 2005;116:706-9 (Letters to the editor)
Mu DZ (*see* Wen et al). 2005;116:517-24
Muilenberg M (*see* Salo et al). 2005;116:623-9
Müller S (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Murphy JR (*see* Rabinovitch et al). 2005;116:1053-7
Murray CS (*see* Simpson et al). 2005;116:744-9
Murray P (*see* Valerio et al). 2005;116:1296-300
Myers AC (*see* Chuaychoo et al). 2005;116:325-31

N

Nachman SA (*see* Rosenblatt et al). 2005;116:698-703
Nachreiner T (*see* Stöcker et al). 2005;116:910-5
Nagase H (*see* Iikura et al). 2005;116:578-85
Nagawa H (*see* Kawai et al). 2005;116:192-7
Nakae S (*see* Matsuda et al). 2005;116:1357-63
Nakajima Y (*see* Suzaki et al). 2005;116:1220-7
Nakamura Y (*see* Hirota et al). 2005;116:789-95
Nakashima K (*see* Hirota et al). 2005;116:789-95
Näsman P (*see* Nilsson et al). 2005;116:438-44
Nathan RA. Leukotriene receptor antagonists are not as effective as intranasal corticosteroids for managing nighttime symptoms of allergic rhinitis. 2005;116:463-4 (Correspondence)
Nelson HS (*see* Leung et al). 2005;116:1-2, 239-40, 475-6, 719-20, 947-8, 1177-8, 1178
Neukirch F (*see* Jarvis et al). 2005;116:675-82
Newbury RO (*see* Aceves et al). 2005;116:705-6
Newman K (*see* Bergeron et al). 2005;116:983-9
Newman L (*see* Martyny et al). 2005;116:630-5
Neyens K (*see* De Swerdt et al). 2005;116:662-7
Nicholson AG (*see* Niimi et al). 2005;116:565-70
Nickel R (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Nicklas RA (*see* Li et al). 2005;116:S3-S11 (Practice parameter)
Nicklas RA (*see* Lieberman et al). 2005;116:933-6 (Letter reply)
Niederberger V (*see* Reisinger et al). 2005;116:347-54
Nieminen MM (*see* Karjalainen et al). 2005;116:223-5 (Letters to the editor)
Nieto D (*see* Encinas et al). 2005;116:1343-9
Niggemann B (*see* Beyer et al). 2005;116:704-5 (Letters to the editor)
Niggemann B (*see* Mothes et al). 2005;116:706-9 (Letters to the editor)
Niimi A, Torrego A, Nicholson AG, Cosio BG, Oates TB, Chung KF. Nature of airway inflammation and remodeling in chronic cough. 2005;116:565-70
Nilsson C, Linde A, Montgomery SM, Gustafsson L, Näsman P, Blomberg MT, Lilja G. Does early EBV infection protect against IgE sensitization? 2005;116:438-44
Nilsson G (*see* Amin et al). 2005;116:1383-6 (Letters to the editor)
Nishigori C (*see* Fukunaga et al). 2005;116:397-402
Nockher WA, Renz H. Neurotrophins and asthma: novel insight into neuroimmune interaction. 2005;116:1221-5
Nordvall L (*see* Kull et al). 2005;116:657-61
Norris V, Choong L, Tran D, Corden Z, Boyce M, Arshad H, Holgate S, O'Connor B, Millet S, Miller B, Rohatagi S, Kirkesseli S. Effect of IVL745, a VLA-4 antagonist, on allergen-induced bronchoconstriction in patients with asthma. 2005;116:761-7
Nouri-Aria KT, Pilette C, Jacobson MR, Watanabe H, Durham SR. IL-9 and c-Kit$^+$ mast cells in allergic rhinitis during seasonal allergen exposure: effect of immunotherapy. 2005;116:73-9
Novak N (*see* Mothes et al). 2005;116:706-9 (Letters to the editor)
Novak N (*see* Weidinger et al). 2005;116:177-84
Nowak D (*see* Eder et al). 2005;116:601-7
Nuijens J (*see* van Doorn et al). 2005;116:876-83
Nunes B (*see* Batista et al). 2005;116:403-10

O

Oates TB (*see* Niimi et al). 2005;116:565-70
Obara K (*see* Hirota et al). 2005;116:789-95
Ober C. Perspectives on the past decade of asthma genetics. 2005;116:274-8
O'Byrne PM (*see* Gauvreau et al). 2005;116:285-91
O'Connor B (*see* Norris et al). 2005;116:761-7
O'Connor GT. Allergen avoidance in asthma: What do we do now? 2005;116:26-30
O'Connor GT (*see* Kattan et al). 2005;116:1058-63
Oettgen H (*see* Laouini et al). 2005;116:390-6
Ofner M (*see* Heinemann et al). 2005;116:820-6
Ogawa H (*see* Kato et al). 2005;116:169-76
Okmaura T (*see* Pacheco et al). 2005;116:470-2 (Images in allergy and immunology)
Okumura K (*see* Kato et al). 2005;116:169-76
Olaguibel JM (*see* Tabar et al). 2005;116:109-18
Oliveira MM (*see* Batista et al). 2005;116:403-10
Olivenstein R (*see* Pepe et al). 2005;116:544-9
Olson SJ (*see* Hashimoto et al). 2005;116:550-7
O'Neal JF (*see* Hashimoto et al). 2005;116:550-7
Ong YE, Menzies-Gow A, Barkans J, Benyahia F, Ou TT, Ying S, Kay AB. Anti-IgE (omalizumab) inhibits late-phase reactions and inflammatory cells after repeat skin allergen challenge. 2005;116:558-64
Oohashi A (*see* Fukunaga et al). 2005;116:397-402
Oppenheimer J (*see* Li et al). 2005;116:S3-S11 (Practice parameter)
Oppenheimer J (*see* Lieberman et al). 2005;116:933-6 (Letter reply)
Osada T (*see* Kawai et al). 2005;116:192-7
Ou L-S (*see* Goleva et al). 2005;116:1094-100 (Rostrum)
Ou TT (*see* Ong et al). 2005;116:558-64
Ouyang Y (*see* Lambert et al). 2005;116:916-22
Ownby DR (*see* Williams et al). 2005;116:102-8
Özdemir Ö. Type 2 natural killer cells in asthma? 2005;116:1165-6 (Correspondence)

P

Pacheco K (*see* Martyny et al). 2005;116:630-5
Pacheco SE, Gottschalk SM, Gresik MV, Dishop MK, Okmaura T, McCormick TG. Chronic active Epstein-Barr virus infection of natural killer cells presenting as severe skin reaction to mosquito bites. 2005;116:470-2 (Images in allergy and immunology)
Pajno GB, Vita D, Caminiti L, Arrigo T, Lombardo F, Incorvaia C, Barberio G. Children's compliance with allergen immunotherapy according to administration routes. 2005;116:1380-1 (Letters to the editor)
Pak K (*see* Ebmeyer et al). 2005;116:1129-35
Palacios R (*see* Enrique et al). 2005;116:1073-9
Palsdottir AH (*see* Kristjansson et al). 2005;116:805-11

Panettieri Jr RA (*see* Lazaar and Panettieri). 2005;116:488-95 (Review)
Papadopoulos NG (*see* Xepapadaki et al). 2005;116:299-304
Papi A (*see* Ricciardolo et al). 2005;116:1028-35
Pappas TE (*see* Lemanske et al). 2005;116:571-7
Park E-J, Kim B, Eo H, Park K, Kim Y, Lee HJ, Son M, Chang Y-S, Cho S-H, Kim S, Jin M. Control of IgE and selective T_H1 and T_H2 cytokines by PG102 isolated from *Actinidia arguta*. 2005;116:1151-7
Park K (*see* Park et al). 2005;116:1151-7
Park YM (*see* Choi et al). 2005;116:537-43
Parronchi P (*see* Romagnani et al). 2005;116:1372-9
Pascual RM, Peters SP. Airway remodeling contributes to the progressive loss of lung function in asthma: an overview. 2005;116:477-86 (Review)
Pasternack R, Huhtala H, Karjalainen J. *Chlamydophila (Chlamydia) pneumoniae* serology and asthma in adults: a longitudinal analysis. 2005;116:1123-8
Pate AD, Hamilton RG, Ashley PJ, Zeldin DC, Halsey JF. Proficiency testing of allergen measurements in residential dust. 2005;116:844-50
Pauli G (*see* Reisinger et al). 2005;116:347-54
Pavord ID (*see* Morgan et al). 2005;116:594-600
Paz DA (*see* Amlie-Lefond et al). 2005;116:1334-42
Pearlman DS, Berger WE, Kerwin E, LaForce C, Kundu S, Banerji D. Once-daily ciclesonide improves lung function and is well tolerated by patients with mild-to-moderate persistent asthma. 2005;116:1206-12
Pease LR (*see* Radhakrishnan et al). 2005;116:668-74
Peden D (*see* Elliott et al). 2005;116:127-32
Peebles Jr RS (*see* Hashimoto et al). 2005;116:550-7
Peek E (*see* Faith et al). 2005;116:1136-43
Pekkanen J (*see* Roponen et al). 2005;116:1048-52
Pelkonen AS (*see* Saarinen et al). 2005;116:869-75
Pepe C, Foley S, Shannon J, Lemiere C, Olivenstein R, Ernst P, Ludwig MS, Martin JG, Hamid Q. Differences in airway remodeling between subjects with severe and moderate asthma,. 2005;116:544-9
Pereira B, Venter C, Grundy J, Clayton CB, Arshad SH, Dean T. Prevalence of sensitization to food allergens, reported adverse reaction to foods, food avoidance, and food hypersensitivity among teenagers. 2005;116:884-92
Pérez de Diego R (*see* López-Granados et al). 2005;116:690-7
Pérez-Rodriguez E (*see* Matheu et al). 2005;116:1167-8 (Correspondence)
Perkins DL (*see* Abraham et al). 2005;116:431-7
Pershagen G (*see* Kull et al). 2005;116:657-61
Persky VW (*see* Eldeirawi et al). 2005;116:42-8
Peskar BA (*see* Heinemann et al). 2005;116:820-6
Peskar BA (*see* Sturm et al). 2005;116:1014-9
Pessi T (*see* Karjalainen et al). 2005;116:223-5 (Letters to the editor)
Pestel J (*see* Pochard et al). 2005;116:198-204
Peterlik M (*see* Thien et al). 2005;116:683-9
Peters SP (*see* Pascual and Peters). 2005;116:477-86 (Review)
Petersen A (*see* Stöcker et al). 2005;116:910-5
Peterson EL (*see* Williams et al). 2005;116:102-8
Pfab F, Hammes M, Bäcker M, Huss-Marp J, Athanasiadis GI, Tölle TR, Behrendt H, Ring J, Darsow U. Preventive effect of acupuncture on histamine-induced itch: a blinded, randomized, placebo-controlled, crossover trial. 2005;116:1386-8 (Letters to the editor)
Picard C (*see* Casanova et al). 2005;116:426-30 (Rostrum)
Pietschmann P (*see* Thien et al). 2005;116:683-9
Pilette C (*see* Nouri-Aria et al). 2005;116:73-9
Piliponsky AM (*see* Matsuda et al). 2005;116:1357-63
Pineda F (*see* Enrique et al). 2005;116:1073-9
Pistorio MP (*see* Vancheri et al). 2005;116:1242-8
Pladevall M (*see* Williams et al). 2005;116:102-8
Platts-Mills JA, Custis NJ, Woodfolk JA, Platts-Mills TAE. Airborne endotoxin in homes with domestic animals: implications for cat-specific tolerance. 2005;116:384-9
Platts-Mills TAE (*see* Platts-Mills et al). 2005;116:384-9
Plitt JR (*see* Gauvreau et al). 2005;116:80-7
Pochard P, Hammad H, Ratajczak C, Charbonnier-Hatzfeld AS, Just N, Tonnel AB, Pestel J. Direct regulatory immune activity of lactic acid bacteria on Der p 1–pulsed dendritic cells from allergic patients. 2005;116:198-204
Pomés A (*see* Wünschmann et al). 2005;116:140-5
Pongracic JA (*see* Kim et al). 2005;116:164-8
Ponikau JU, Sherris DA, Kephart GM, Kern EB, Congdon DJ, Adolphson CR, Springett MJ, Gleich GJ, Kita H. Striking deposition of toxic eosinophil major basic protein in mucus: implications for chronic rhinosinusitis. 2005;116:362-9
Poole JA, Meng J, Reff M, Spellman MC, 'Rosenwasser LJ. Anti-CD23 monoclonal antibody, lumiliximab, inhibited allergen-induced responses in antigen-presenting cells and T cells from atopic subjects. 2005;116:780-8
Portas M, (*see* Lambert et al). 2005;116:916-22
Postma DS (*see* Gauvreau et al). 2005;116:285-91
Potts J (*see* Jarvis et al). 2005;116:675-82
Presta LG. Selection, design, and engineering of therapeutic antibodies. 2005;116:731-6 (Review)
Puxeddu I, Ribatti D, Crivellato E, Levi-Schaffer F. Mast cells and eosinophils: a novel link between inflammation and angiogenesis in allergic diseases. 2005;116:531-6 (Rostrum)

R

Ra C (*see* Beeren et al). 2005;116:228-9 (Letters to the editor)
Rabinovitch N, Liu AH, Zhang L, Rodes CE, Foarde K, Dutton SJ, Murphy JR, Gelfand EW. Importance of the personal endotoxin cloud in school-age children with asthma. 2005;116:1053-7
Racila DM, Kline JN. Perspectives in asthma: molecular use of microbial products in asthma prevention and treatment. 2005;116:1202-5
Racz P (*see* Mehandru et al). 2005;116:419-22
Radakovics A (*see* Jahn-Schmid et al). 2005;116:213-9
Radhakrishnan S, Iijima K, Kobayashi T, Kita H, Pease LR. Dendritic cells activated by cross-linking B7-DC (PD-L2) block inflammatory airway disease. 2005;116:668-74
Ramesh N (*see* Cianferoni et al). 2005;116:1364-71
Ratajczak C (*see* Pochard et al). 2005;116:198-204

Rautava S, Kalliomäki M, Isolauri E. New therapeutic strategy for combating the increasing burden of allergic disease: Probiotics—A Nutrition, Allergy, Mucosal Immunology and Intestinal Microbiota (NAMI) Research Group report. 2005;116:31-7
Reff M (*see* Poole et al). 2005;116:780-8
Reichenbach J (*see* Casanova et al). 2005;116:426-30 (Rostrum)
Reisdorf E (*see* Lemanske et al). 2005;116:571-7
Reisinger J, Horak F, Pauli G, van Hage M, Cromwell O, König F, Valenta R, Niederberger V. Allergen-specific nasal IgG antibodies induced by vaccination with genetically modified allergens are associated with reduced nasal allergen sensitivity. 2005;116:347-54
Remus N (*see* Casanova et al). 2005;116:426-30 (Rostrum)
Ren CL. Cystic fibrosis gene mutations and chronic rhinosinusitis. 2005;116:463 (Correspondence)
Renz H (*see* Hufnagl et al). 2005;116:370-6
Renz H (*see* Nockher and Renz). 2005;116:1221-5
Reyes A (*see* Small et al). 2005;116:1275-81
Ribatti D (*see* Puxeddu et al). 2005;116:531-6 (Rostrum)
Ricardo CP (*see* Batista et al). 2005;116:403-10
Ricciardolo FLM, Caramori G, Ito K, Capelli A, Brun P, Abatangelo G, Papi A, Chung KF, Adcock I, Barnes PJ, Donner CF, Rossi A, Di Stefano A. Nitrosative stress in the bronchial mucosa of severe chronic obstructive pulmonary disease. 2005;116:1028-35
Richards D (*see* Faith et al). 2005;116:1136-43
Riedler J (*see* Eder et al). 2005;116:601-7
Ring J (*see* Pfab et al). 2005;116:1386-8 (Letters to the editor)
Ring J (*see* Weidinger et al). 2005;116:177-84
Roberg KA (*see* Lemanske et al). 2005;116:571-7
Roberts D (*see* Faith et al). 2005;116:1136-43
Röcken M (*see* Volz et al). 2005;116:1390-2 (Letters to the editor)
Rodes CE (*see* Rabinovitch et al). 2005;116:1053-7
Rodriguez MW (*see* Kuperman et al). 2005;116:305-11
Rohatagi S (*see* Norris et al). 2005;116:761-7
Rohde K (*see* Söderhäll et al). 2005;116:220-1 (Letters to the editor)
Romagnani P, Maggi L, Mazzinghi B, Cosmi L, Lasagni L, Liotta F, Lazzeri E, Angeli R, Rotondi M, Filì L, Parronchi P, Serio M, Maggi E, Romagnani S, Annunziato F. CXCR3-mediated opposite effects of CXCL10 and CXCL4 on T_H1 or T_H2 cytokine production. 2005;116:1372-9
Romagnani S (*see* Romagnani et al). 2005;116:1372-9
Roponen M, Hyvärinen A, Hirvonen M-R, Keski-Nisula L, Pekkanen J. Change in IFN-(–producing capacity in early life and exposure to environmental microbes. 2005;116:1048-52
Rosano TG (*see* Lambert et al). 2005;116:916-22
Rosenblatt HM, Song LY, Nachman SA, Stanley KE, Krogstad PA, Johnson GM, Wiznia AA. Tetanus immunity after diphtheria, tetanus toxoids, and acellular pertussis vaccination in children with clinically stable HIV infection. 2005;116:698-703
'Rosenwasser LJ (*see* Poole et al). 2005;116:780-8
Rossi A (*see* Ricciardolo et al). 2005;116:1028-35
Rothenberg ME (*see* Zweiman and Rothenberg). 2005;116:237-8, 473-4, 717-8, 945-6, 1175-6, 1397-8
Rotondi M (*see* Romagnani et al). 2005;116:1372-9
Rousseau R (*see* Chan-Yeung et al). 2005;116:49-55
Royer JF (*see* Sturm et al). 2005;116:1014-9
Ruffin RE (*see* Appleton et al). 2005;116:976-82
Rummler L (*see* Weidinger et al). 2005;116:177-84
Ryan AF (*see* Ebmeyer et al). 2005;116:1129-35
Ryan KR, Lawson CA, Lorenzi AR, Arkwright PD, Isaacs JD, Lilic D. $CD4^+CD25^+$ T-regulatory cells are decreased in patients with autoimmune polyendocrinopathy candidiasis ectodermal dystrophy. 2005;116:1158-9 (Letters to the editor)
Ryan LM (*see* Abraham et al). 2005;116:431-7
Ryan PH, LeMasters G, Biagini J, Bernstein D, Grinshpun SA, Shukla R, Wilson K, Villareal M, Burkle J, Lockey J. Is it traffic type, volume, or distance? Wheezing in infants living near truck and bus traffic. 2005;116:279-84

S

Saarinen KM, Pelkonen AS, Mäkelä MJ, Savilahti E. Clinical course and prognosis of cow's milk allergy are dependent on milk-specific IgE status. 2005;116:869-75
Saito H, Abe J, Matsumoto K. Allergy-related genes in microarray: an update review. 2005;116:56-9
Salcedo G (*see* Enrique et al). 2005;116:926-8 (Letters to the editor)
Salinaro ET (*see* Vancheri et al). 2005;116:1242-8
Salo PM, Yin M, Arbes Jr SJ, Cohn RD, Sever M, Muilenberg M, Burge HA, London SJ, Zeldin DC. Dustborne *Alternaria alternata* antigens in US homes: results from the National Survey of Lead and Allergens in Housing. 2005;116:623-9
Sampson H (*see* Wen et al). 2005;116:517-24
Sampson HA (*see* Beyer et al). 2005;116:704-5 (Letters to the editor)
Sampson HA (*see* Shreffler et al). 2005;116:893-9
San Miguel-Moncín MdM (*see* Enrique et al). 2005;116:1073-9
Sanak M, Szczeklik W, Szczeklik A. Association of *COX-2* gene haplotypes with prostaglandins production in bronchial asthma. 2005;116:221-3 (Letters to the editor)
Sánchez-Machin I (*see* Matheu et al). 2005;116:1167-8 (Correspondence)
Santamaria F, Montella S, De Stefano S, Sperlì F, Barbarano F, Valerio G. Relationship between exhaled nitric oxide and body mass index in children and adolescents. 2005;116:1163-4 (Correspondence)
Sarma PU (*see* Kaur et al). 2005;116:1381-3 (Letters to the editor)
Savilahti E (*see* Saarinen et al). 2005;116:869-75
Saxoni-Papageorgiou P (*see* Xepapadaki et al). 2005;116:299-304
Schafer T (*see* Weidinger et al). 2005;116:177-84
Schatz M, Zeiger RS, Mosen D, Apter AJ, Vollmer WM, Stibolt TB, Leong A, Johnson MS, Mendoza G, Cook EF. Improved asthma outcomes from allergy specialist care: a population-based cross-sectional analysis. 2005;116:1307-13

Schatz M (*see* Bakhireva et al). 2005;116:503-9
Scheiner O (*see* Hufnagl et al). 2005;116:370-6
Scheinmann P (*see* de Blic et al). 2005;116:750-4
Schenkel E (*see* Small et al). 2005;116:1275-81
Scheurer S (*see* Jahn-Schmid et al). 2005;116:213-9
Schimek EM, Zwölfer B, Briza P, Jahn-Schmid B, Vogel L, Vieths S, Ebner C, Bohle B. Gastrointestinal digestion of Bet v 1–homologous food allergens destroys their mediator-releasing, but not T cell–activating, capacity. 2005;116:1327-33
Schmid-Wirlitsch C (*see* van Schalkwyk et al). 2005;116:292-8
Schoemaker RC (*see* van Doorn et al). 2005;116:876-83
Schofield B (*see* Busse et al). 2005;116:1256-63
Schuligoi R (*see* Sturm et al). 2005;116:1014-9
Sealfon SC (*see* Busse et al). 2005;116:1256-63
Sedgwick JB, Jansen KJ, Kennedy JD, Kita H, Busse WW. Effects of the very late adhesion molecule 4 antagonist WAY103 on human peripheral blood eosinophil vascular cell adhesion molecule 1–dependent functions. 2005;116:812-9
Sekiya T (*see* Iikura et al). 2005;116:578-85
Seong YC (*see* Chang et al). 2005;116:1388-90 (Letters to the editor)
Serio M (*see* Romagnani et al). 2005;116:1372-9
Seroogy CM, Gern JE. The role of T regulatory cells in asthma. 2005;116:996-9
Servi RJ (*see* Bergeron et al). 2005;116:983-9
Sever M (*see* Arbes et al). 2005;116:133-9
Sever M (*see* Salo et al). 2005;116:623-9
Shah A (*see* Kaur et al). 2005;116:1381-3 (Letters to the editor)
Shan X (*see* Grunstein et al). 2005;116:94-101
Shannon J (*see* Pepe et al). 2005;116:544-9
Shearer WT. Infection versus immunity: What's the balance? 2005;116:263-6 (Editorial)
Shearer WT (*see* Chinen and Shearer). 2005;116:411-8
Sheller JR (*see* Hashimoto et al). 2005;116:550-7
Sherris DA (*see* Ponikau et al). 2005;116:362-9
Shibuya H, Hirohata S. Differential effects of IFN-α on the expression of various T_H2 cytokines in human $CD4^+$ T cells. 2005;116:205-12
Shimizu M (*see* Hirota et al). 2005;116:789-95
Shirakawa T (*see* Hirota et al). 2005;116:789-95
Sho M (*see* Suzaki et al). 2005;116:1220-7
Shreffler WG, Lencer DA, Bardina L, Sampson HA. IgE and IgG_4 epitope mapping by microarray immunoassay reveals the diversity of immune response to the peanut allergen, Ara h 2. 2005;116:893-9
Shukla R (*see* Ryan et al). 2005;116:279-84
Shult PA (*see* Lemanske et al). 2005;116:571-7
Shyr Y (*see* Bui et al). 2005;116:1042-7
Sicherer SH, Leung DYM. Advances in allergic skin disease, anaphylaxis, and hypersensitivity reactions to foods, drugs, and insects. 2005;116:153-63
Silkoff PE, Lent AM, Busacker AA, Katial RK, Balzar S, Strand M, Wenzel SE. Exhaled nitric oxide identifies the persistent eosinophilic phenotype in severe refractory asthma. 2005;116:1249-55
Sills M (*see* Martyny et al). 2005;116:630-5
Silveira L (*see* Martyny et al). 2005;116:630-5
Simon H-U (*see* Conus et al). 2005;116:1228-34
Simon RA (*see* Stevenson et al). 2005;116:755-60
Simons FER, Simons KJ. Levocetirizine: pharmacokinetics and pharmacodynamics in children age 6 to 11 years. 2005;116:355-61
Simons KJ (*see* Simons and Simons). 2005;116:355-61
Simpson A, Soderstrom L, Ahlstedt S, Murray CS, Woodcock A, Custovic A. IgE antibody quantification and the probability of wheeze in preschool children. 2005;116:744-9
Sinacore JM (*see* Kim et al). 2005;116:164-8
Siroux V (*see* Graves et al). 2005;116:650-6
Slater JE (*see* Valerio et al). 2005;116:1296-300
Slavin RG, Spector SL, Bernstein IL. The diagnosis and management of sinusitis: a practice parameter update. 2005;116:S13-S47 (AAAAI Practice Paper)
Sly PD (*see* Holt et al). 2005;116:16-24 (Review)
Sly PD (*see* Kusel et al). 2005;116:1067-72
Small CB, Hernandez J, Reyes A, Schenkel E, Damiano A, Stryszak P, Staudinger H, Danzig M. Efficacy and safety of mometasone furoate nasal spray in nasal polyposis. 2005;116:1275-81
Smith JM. Atopy and asthma: an epidemic of unknown cause. 2005;116:231-2 (Correspondence)
Söderhäll C, Marenholz I, Nickel R, Grüber C, Kehrt R, Rohde K, Griffioen RW, Meglio P, Tarani L, Gustafsson D, Hoffmann U, Gerstner B, Müller S, Wahn U, Lee YA. Lack of association of the G protein–coupled receptor for asthma susceptibility gene with atopic dermatitis. 2005;116:220-1 (Letters to the editor)
Soderstrom L (*see* Simpson et al). 2005;116:744-9
Son M (*see* Park et al). 2005;116:1151-7
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Stevenson DD, Mehra PK, White AA, Gupta S, Woessner KM, Simon RA. Failure of tacrolimus to prevent aspirin-induced respiratory reactions in patients with aspirin-exacerbated respiratory disease. 2005;116:755-60
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van Doorn MBA, Burggraaf J, van Dam T, Eerenberg A, Levi M, Hack CE, Schoemaker RC, Cohen AF, Nuijens J. A phase I study of recombinant human C1 inhibitor in asymptomatic patients with hereditary angioedema. 2005;116:876-83
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van Toorenenbergen AW, van Daele PLA, Boonstra JG. False-elevated serum tryptase assay result caused by heterophilic antibodies. 2005;116:1159-60 (Letters to the editor)
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Allergic dysregulation and hyperimmunoglobulinemia E in Foxp3 mutant mice (Lin et al). 2005;116:1106-15
Cholinergic urticaria patients: sometimes allergic to their own sweat (Leung et al). 2005;116:240 (The editors' choice)
Classic thymus-derived Tregs are not required for oral tolerance (Zweiman and Rothenberg). 2005;116: 946 (Beyond our pages)
Comparison of test devices for skin prick testing (Carr et al). 2005;116:341-6
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Dustborne *Alternaria alternata* antigens in US homes: results from the National Survey of Lead and Allergens in Housing (Salo et al). 2005;116:623-9
Endotoxin and the pathway to allergy (Leung et al). 2005;116:239 (The editors' choice)
Evaluation of allergen exposure (Dreborg). 2005;116: 620-2 (Editorial)
Fixed food eruption caused by asparagus (Volz et al). 2005;116:1390-2 (Letters to the editor)
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Genetic regulation of IgE responses: Achilles and the tortoise (Vercelli). 2005;116:60-4 (Review)
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Major and minor determinants are high-performance skin tests in β-lactam allergy diagnosis (Bousquet and Demoly). 2005;116:1168-9 (Letter reply)
New therapeutic strategy for combating the increasing burden of allergic disease: Probiotics—A Nutrition, Allergy, Mucosal Immunology and Intestinal Microbiota (NAMI) Research Group report (Rautava et al). 2005;116:31-7
Perspectives on the past decade of asthma genetics (Ober). 2005;116:274-8
Physiologic assessment of allergic rhinitis in mice: Role of the high-affinity IgE receptor (FεRI) (Miyahara et al). 2005;116:1020-7

Plasma mannan-binding lectin levels and activity are increased in allergic patients (Kaur et al). 2005;116:1381-3 (Letters to the editor)
Prevalences of positive skin test responses to 10 common allergens in the US population: results from the Third National Health and Nutrition Examination Survey (Arbes et al). 2005;116: 377-83
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Childhood cat exposure–related tolerance is associated with IL1A and IL10 polymorphisms (Karjalainen et al). 2005;116:223-5 (Letters to the editor)
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A potent antiangiogenic factor, endostatin prevents the development of asthma in a murine model (Suzaki et al). 2005;116:1220-7
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Airway remodeling contributes to the progressive loss of lung function in asthma: an overview (Pascual and Peters). 2005;116:477-86 (Review)
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Allergen avoidance in asthma: What do we do now? (O'Connor). 2005;116:26-30
Anti–T-cell Ig and mucin domain–containing protein 1 antibody decreases T_H2 airway inflammation in a mouse model of asthma (Encinas et al). 2005;116:1343-9
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CC chemokine receptors CCR1 and CCR4 are expressed on airway mast cells in allergic asthma (Amin et al). 2005;116:1383-6 (Letters to the editor)
Chitinases and chitinase-like proteins in T_H2 inflammation and asthma (Elias et al). 2005;116:497-500
Chlamydophila (Chlamydia) pneumoniae serology and asthma in adults: a longitudinal analysis (Pasternack et al). 2005;116:1123-8
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Dendritic cells activated by cross-linking B7-DC (PD-L2) block inflammatory airway disease (Radhakrishnan et al). 2005;116:668-74
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Dissecting asthma using focused transgenic modeling and functional genomics (Kuperman et al). 2005;116:305-11
Duration of postviral airway hyperresponsiveness in children with asthma: effect of atopy (Xepapadaki et al). 2005;116:299-304

Effect of combined montelukast and desloratadine on the early asthmatic response to inhaled allergen (Davis et al). 2005;116:768-72

Effect of IVL745, a VLA-4 antagonist, on allergen-induced bronchoconstriction in patients with asthma (Norris et al). 2005;116:761-7

Effect of low-dose ciclesonide on allergen-induced responses in subjects with mild allergic asthma (Gauvreau et al). 2005;116:285-91

Effects of montelukast in patients with persistent asthma using inhaled corticosteroids plus additional second-line therapy (Currie et al). 2005;116:230 (Correspondence)

Efficacy and tolerability of antiasthma herbal medicine intervention in adult patients with moderate-severe allergic asthma (Wen et al). 2005;116:517-24

Endostatin prevents the development of asthma features in a mouse model (Leung et al). 2005;116: 1178 (The editors' choice)

Endotoxin exposure is a risk factor for asthma (Zweiman and Rothenberg). 2005;116:1397-8 (Beyond our pages)

Evidence of remodeling in peripheral airways of patients with mild to moderate asthma: effect of hydrofluoroalkane-flunisolide (Bergeron et al). 2005;116:983-9

Exhaled nitric oxide identifies the persistent eosinophilic phenotype in severe refractory asthma (Silkoff et al). 2005;116:1249-55

Failure of tacrolimus to prevent aspirin-induced respiratory reactions in patients with aspirin-exacerbated respiratory disease (Stevenson et al). 2005;116:755-60

Genetic pleiotropy between asthma and obesity in a community-based sample of twins (Hallstrand et al). 2005;116:1235-41

IL-4—expressing bronchoalveolar T cells from asthmatic and healthy subjects preferentially express CCR3 and CCR4 (Morgan et al). 2005;116:594-600

Immigration to the United States and acculturation as risk factors for asthma and allergy (Gold and Acevedo-Garcia). 2005;116:38-41 (Editorial)

Improved asthma outcomes from allergy specialist care: a population-based cross-sectional analysis (Schatz et al). 2005;116:1307-13

Improved asthma outcomes with allergy specialist care (Leung et al). 2005;116:1178 (The editors' choice)

Lack of association of the G protein–coupled receptor for asthma susceptibility gene with atopic dermatitis (Söderhäll et al). 2005;116:220-1 (Letters to the editor)

Mucus production is not required for hallmark features of asthma (Zweiman and Rothenberg). 2005;116: 1398 (Beyond our pages)

Nitric oxide metabolite is an important bronchodilator (Zweiman and Rothenberg). 2005;116:945 (Beyond our pages)

No significant relationship between exhaled nitric oxide and body mass index in people with asthma (Kazaks et al). 2005;116:929-30 (Correspondence)

No significant relationship between exhaled nitric oxide and body mass index in people with asthma (de Winter-de Groot et al). 2005;116:930 (Letter reply)

Nocturnal asthma (Sutherland). 2005;116:1179-86 (Review)

Occupational asthma and asthma severity (Zweiman and Rothenberg). 2005;116:1397 (Beyond our pages)

Once-daily ciclesonide improves lung function and is well tolerated by patients with mild-to-moderate persistent asthma (Pearlman et al). 2005;116: 1206-12

Perspectives in asthma: molecular use of microbial products in asthma prevention and treatment (Racila and Kline). 2005;116:1202-5

Perspectives on the past decade of asthma genetics (Ober). 2005;116:274-8

Predictors of asthma-related health care utilization and quality of life among inner-city patients with asthma (Leung et al). 2005;116:475 (The editors' choice)

Predictors of asthma-related health care utilization and quality of life among inner-city patients with asthma (Wisnivesky et al). 2005;116:636-42

Prevention of IL-1 signaling attenuates airway hyperresponsiveness and inflammation in a murine model of toluene diisocyanate–induced asthma (Johnson et al). 2005;116:851-8

Primary prevention of asthma and allergy (Arshad). 2005;116:3-14 (Review)

Proasthmatic effects and mechanisms of action of the dust mite allergen, Der p 1, in airway smooth muscle (Grunstein et al). 2005;116:94-101

Proasthmatic effects of dust mite allergen in airway smooth muscle (Leung et al). 2005;116:1 (The editors' choice)

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Remodeling, steroids, and small airway in asthma (Leung et al). 2005;116:947 (The editors' choice)

Roflumilast, an oral, once-daily phosphodiesterase 4 inhibitor, attenuates allergen-induced asthmatic reactions (van Schalkwyk et al). 2005;116:292-8

Role of airway smooth muscle in airway remodeling (Joubert and Hamid). 2005;116:713-6 (Images in allergy and immunology)

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Short and long-term effects of cigarette smoking independently influence exhaled nitric oxide concentration in asthma (McSharry et al). 2005;116:88-93

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Spirometric criteria for asthma: population distribution is dependent on reversibility used in guidelines (Leung et al). 2005;116:947 (The editors' choice)
Steroid-resistant lung function deficits in chronic asthma (Leung et al). 2005;116:1177 (The editors' choice)
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Bet v $1_{142\text{-}156}$ is the dominant T-cell epitope of the major birch pollen allergen and important for cross-reactivity with Bet v 1–related food allergens (Jahn-Schmid et al). 2005;116:213-9
Clinical course and prognosis of cow's milk allergy are dependent on milk-specific IgE status (Saarinen et al). 2005;116:869-75
Fixed food eruption caused by asparagus (Volz et al). 2005;116:1390-2 (Letters to the editor)
Gastrointestinal digestion of Bet v 1–homologous food allergens destroys their mediator-releasing, but not T cell–activating, capacity (Schimek et al). 2005;116:1327-33
IgE antibody quantification and the probability of wheeze in preschool children (Simpson et al). 2005;116:744-9
In vivo assessment with prick-to-prick testing and double-blind, placebo-controlled food challenge of allergenicity of apple cultivars (Bolhaar et al). 2005;116:1080-6
Lack of detectable allergenicity of transgenic maize and soya samples (Batista et al). 2005;116:403-10
Lipid transfer protein is involved in rhinoconjunctivitis and asthma produced by rice inhalation (Enrique et al). 2005;116:926-8 (Letters to the editor)

Parental use of EpiPen for children with food allergies (Kim et al). 2005;116:164-8
Prevalence of sensitization to food allergens, reported adverse reaction to foods, food avoidance, and food hypersensitivity among teenagers (Pereira et al). 2005;116:884-92
Sublingual immunotherapy for hazelnut food allergy: a randomized, double-blind, placebo-controlled study with a standardized hazelnut extract (Enrique et al). 2005;116:1073-9
Sublingual immunotherapy increases tolerance for hazelnuts (Leung et al). 2005;116:948 (The editors' choice)
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The natural history of tree nut allergy (Fleischer et al). 2005;116:1087-93
What factors are associated with increased parental comfort with EpiPen use? (Leung et al). 2005;116:1 (The editors' choice)

Foods, genetically modified
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Fungi
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Gamma-globulins
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Gastrointestinal tract
NOD2 mutations in mice show fundamental effects on intestinal inflammation (Zweiman and Rothenberg). 2005;116:238 (Beyond our pages)
The gastrointestinal tract is critical to the pathogenesis of acute HIV-1 infection (Mehandru et al). 2005;116:419-22

Gene expression
Chronic exposure to TNF-α increases airway mucus gene expression *in vivo* (Busse et al). 2005;116:1256-63
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Gene expression profiling
Gene expression profiles in childhood asthma: differentiating between stable and acute asthma (Kapitein et al). 2005;116:710-1 (Correspondence)
Gene expression profiles in childhood asthma: differentiating between stable and acute asthma (Guajardo et al). 2005;116:711-2 (Letter reply)

Genes; *see also* Polymorphism
Allergy-related genes in microarray: an update review (Saito et al). 2005;116:56-9
Anti–T-cell Ig and mucin domain–containing protein 1 antibody decreases T_H2 airway inflammation in a mouse model of asthma (Encinas et al). 2005;116:1343-9
Cystic fibrosis gene mutations and chronic rhinosinusitis (Ren). 2005;116:463 (Correspondence)
Lack of association of the G protein–coupled receptor for asthma susceptibility gene with atopic dermatitis (Söderhäll et al). 2005;116:220-1 (Letters to the editor)

Genetics; *see also* Heredity
A genotype-phenotype correlation study in a group of 54 patients with X-linked agammaglobulinemia (López-Granados et al). 2005;116:690-7
Allergens and allergy prevention: Where to next? (Tovey and Kemp). 2005;116:119-21 (Editorial)
Are *you* immunodeficient? (Bonilla and Geha). 2005;116:423-5
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Genetic pleiotropy between asthma and obesity in a community-based sample of twins (Hallstrand et al). 2005;116:1235-41
Genetic regulation of IgE responses: Achilles and the tortoise (Vercelli). 2005;116:60-4 (Review)
Perspectives on the past decade of asthma genetics (Ober). 2005;116:274-8

Glaucoma
Discontinuing nasal steroids might lower intraocular pressure in glaucoma (Bui et al). 2005;116:1042-7

Granulocyte-macrophage colony-stimulating factor
Functional plasticity of human respiratory tract dendritic cells: GM-CSF enhances T_H2 development (Faith et al). 2005;116:1136-43
Modulation of GM-CSF release by enantiomers of β-agonists in human airway smooth muscle (Ameredes and Calhoun). 2005;116:65-72
Perilesional GM-CSF therapy of a chronic leg ulcer in a patient with common variable immunodeficiency (Hatab et al). 2005;116:460-2 (Letters to the editor)

Granuloma
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Grasses
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H

Hay fever
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IL-9 and c-Kit$^+$ mast cells in allergic rhinitis during seasonal allergen exposure: effect of immunotherapy (Nouri-Aria et al). 2005;116:73-9

Headache
Maybe *rhinitis*, maybe *sinusitis*, maybe *rhinitis* and *sinusitis*, but certainly not *rhinosinusitis*! (Borish). 2005;116:1269-71 (Editorial)

Herbal medicine
Efficacy and tolerability of antiasthma herbal medicine intervention in adult patients with moderate-severe allergic asthma (Wen et al). 2005;116:517-24

Heredity
Factors affecting the onset of recurrent wheezing in early childhood versus onset in adolescence (Zweiman and Rothenberg). 2005;116:1175 (Beyond our pages)
Paternal history of asthma and airway responsiveness in children with asthma (Zweiman and Rothenberg). 2005;116:945 (Beyond our pages)

Herpes zoster
A vaccine to prevent herpes zoster and post-herpetic neuralgia in older adults (Zweiman and Rothenberg). 2005;116:946 (Beyond our pages)

Histamine
Nasal sensory nerve populations responding to histamine and capsaicin (Taylor-Clark et al). 2005;116:1282-8

History of medicine
Charles A. Janeway and Fred S. Rosen: the discovery of gamma globulin therapy and primary immunodeficiency diseases at Boston Children's Hospital (Geha). 2005;116:937-40 (The allergy archives)
How the immunologic function of the thymus was discovered (Miller). 2005;116:1171-4 (The allergy archives)
Jacques Miller on the thymus (Cohen). 2005;116:1170-1 (The allergy archives)

HIV infections
Basic and clinical immunology (Chinen and Shearer). 2005;116:411-8
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Hygiene hypothesis; *see also* Environmental exposure
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Mode of delivery at birth and development of asthma: a population-based cohort study (Juhn et al). 2005;116:510-6
Perspectives in asthma: molecular use of microbial products in asthma prevention and treatment (Racila and Kline). 2005;116:1202-5

Hymenoptera
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Efficacy of ant venom immunotherapy and whole body extracts (Golden). 2005;116:465-6 (Letter reply)

Hypertension
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I

IgA
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IgE
Can IgE itself be pathogenic? (Leung et al). 2005;116:1177 (The editors' choice)
Change in prevalence of IgE sensitization and mean total IgE with age and cohort (Jarvis et al). 2005;116:675-82
Clinical course and prognosis of cow's milk allergy are dependent on milk-specific IgE status (Saarinen et al). 2005;116:869-75
Conjugation of 3′ hexameric deoxyriboguanosine run to phosphodiester CpG oligodeoxynucleotides can inhibit allergen-specific IgE synthesis with less risk of splenomegaly (Chang et al). 2005;116:1388-90 (Letters to the editor)
Control of IgE and selective T_H1 and T_H2 cytokines by PG102 isolated from *Actinidia arguta* (Park et al). 2005;116:1151-7
Genetic regulation of IgE responses: Achilles and the tortoise (Vercelli). 2005;116:60-4 (Review)
IgE and IgG_4 epitope mapping by microarray immunoassay reveals the diversity of immune response to the peanut allergen, Ara h 2 (Shreffler et al). 2005;116:893-9
IgE-binding peptides coupled to a commercial matrix as a diagnostic instrument for persistent cow's milk allergy (Beyer et al). 2005;116:704-5 (Letters to the editor)
Levels of IgE to indoor allergens predict childhood wheezing (Leung et al). 2005;116:720 (The editors' choice)

Local isotype switching to IgE in airway mucosa (Fiset et al). 2005;116:233-6 (Images in allergy and immunology)
Monomeric IgE enhances human mast cell chemokine production: IL-4 augments and dexamethasone suppresses the response (Matsuda et al). 2005;116: 1357-63
Opposite effects of *CD14/-260* on serum IgE levels in children raised in different environments (Eder et al). 2005;116:601-7
The clinical course of food allergy in infants and children (Leung et al). 2005;116:720 (The editors' choice)

IgG
Allergen-specific nasal IgG antibodies induced by vaccination with genetically modified allergens are associated with reduced nasal allergen sensitivity (Reisinger et al). 2005;116:347-54

Immigration
Associations of place of birth with asthma and wheezing in Mexican American children (Eldeirawi et al). 2005;116:42-8
Immigration to the United States and acculturation as risk factors for asthma and allergy (Gold and Acevedo-Garcia). 2005;116:38-41 (Editorial)

Immune tolerance
Classic thymus-derived Tregs are not required for oral tolerance (Zweiman and Rothenberg). 2005;116: 946 (Beyond our pages)
Factors that regulate naturally occurring T regulatory cell–mediated suppression (Goleva et al). 2005;116:1094-100 (Rostrum)
Intranasal tolerance induction with polypeptides derived from 3 noncross-reactive major aeroallergens prevents allergic polysensitization in mice (Hufnagl et al). 2005;116:370-6
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Immunity, natural (innate)
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Innate immune responses to infection (Tosi). 2005;116:241-9 (Review)
Innate immunity for biodefense: a strategy whose time has come (Amlie-Lefond et al). 2005;116:1334-42
Links between the innate immune system and sleep (Majde and Krueger). 2005;116:1188-98 (Review)

Immunization
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Adverse events after influenza immunization in young children (Zweiman and Rothenberg). 2005;116: 473 (Beyond our pages)
Efficacy and clinical effectiveness of influenza immunization in healthy children (Zweiman and Rothenberg). 2005;116:237 (Beyond our pages)
Tetanus immunity after diphtheria, tetanus toxoids, and acellular pertussis vaccination in children with clinically stable HIV infection (Rosenblatt et al). 2005;116:698-703

Immunoassays
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Immunoglobulin class switching
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Immunoglobulins
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Immunoglobulins, intravenous
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Charles A. Janeway and Fred S. Rosen: the discovery of gamma globulin therapy and primary immunodeficiency diseases at Boston Children's Hospital (Geha). 2005;116:937-40 (The allergy archives)
From idiopathic infectious diseases to novel primary immunodeficiencies (Casanova et al). 2005;116: 426-30 (Rostrum)
Immune supplementation and immune modulation with intravenous immunoglobulin (Mazer et al). 2005;116:941-4 (Images in allergy and immunology)
Perilesional GM-CSF therapy of a chronic leg ulcer in a patient with common variable immunodeficiency (Hatab et al). 2005;116:460-2 (Letters to the editor)
Sporadic case of warts, hypogammaglobulinemia, immunodeficiency, and myelokathexis syndrome (Tarzi et al). 2005;116:1101-5 (Case study)

Immunomodulatory drugs
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Immunotherapy
Allergen-specific immunotherapy with recombinant grass pollen allergens (Jutel et al). 2005;116: 608-13
Allergen-specific nasal IgG antibodies induced by vaccination with genetically modified allergens are

associated with reduced nasal allergen sensitivity (Reisinger et al). 2005;116:347-54
Children's compliance with allergen immunotherapy according to administration routes (Pajno et al). 2005;116:1380-1 (Letters to the editor)
Chimeric human-cat fusion protein blocks cat-induced allergy (Zweiman and Rothenberg). 2005;116:238 (Beyond our pages)
Double-blind comparative study of cluster and conventional immunotherapy schedules with *Dermatophagoides pteronyssinus* (Tabar et al). 2005;116:109-18
Effect of immunotherapy on IL-9 and c-Kit$^+$ mast cells in allergic rhinitis (Leung et al). 2005;116:2 (The editors' choice)
Efficacy of ant venom immunotherapy and whole body extracts (Brown et al). 2005;116:464-5 (Correspondence)
Efficacy of ant venom immunotherapy and whole body extracts (Golden). 2005;116:465-6 (Letter reply)
Giant ragweed specific immunotherapy is not effective in a proportion of patients sensitized to short ragweed: analysis of the allergenic differences between short and giant ragweed (Asero et al). 2005;116:1036-41
IL-9 and c-Kit$^+$ mast cells in allergic rhinitis during seasonal allergen exposure: effect of immunotherapy (Nouri-Aria et al). 2005;116:73-9
Immunotherapy compliance with different routes of administration (Leung et al). 2005;116:1177 (The editors' choice)
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Sublingual immunotherapy increases tolerance for hazelnuts (Leung et al). 2005;116:948 (The editors' choice)
T regulatory cells in allergy: novel concepts in the pathogenesis, prevention, and treatment of allergic diseases (Akdis et al). 2005;116:961-8 (Review)

Infections; *see also specific infections*
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Chlamydophila (Chlamydia) pneumoniae serology and asthma in adults: a longitudinal analysis (Pasternack et al). 2005;116:1123-8
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Infection versus immunity: What's the balance? (Shearer). 2005;116:263-6 (Editorial)
Innate immune responses to infection (Tosi). 2005;116:241-9 (Review)
Innate receptor for parasite antigen identified (Zweiman and Rothenberg). 2005;116:946 (Beyond our pages)
Respiratory syncytial virus and other respiratory viruses during the first 3 months of life promote a local T_H2-like response (Kristjansson et al). 2005;116:805-11
Respiratory viral infections during early infancy promote a T_H2-like response (Leung et al). 2005;116:719 (The editors' choice)

Inflammation; *see also* Airway inflammation
Allergic dysregulation and hyperimmunoglobulinemia E in Foxp3 mutant mice (Lin et al). 2005;116:1106-15
Anti-IgE (omalizumab) inhibits late-phase reactions and inflammatory cells after repeat skin allergen challenge (Ong et al). 2005;116:558-64
CCR4 and CCR5 expression in conjunctival specimens as differential markers of T_H1/T_H2 in ocular surface disorders, (Baudouin et al). 2005;116:614-9
Chitinases and chitinase-like proteins in T_H2 inflammation and asthma (Elias et al). 2005;116:497-500
Ciclesonide and allergen-induced asthmatic responses (Leung et al). 2005;116:239 (The editors' choice)
COX-2 inhibitors enhance allergic responses (Leung et al). 2005;116:240 (The editors' choice)
Dendritic cells are critical for experimental asthma (Zweiman and Rothenberg). 2005;116:474 (Beyond our pages)
Differential effects of (S)- and (R)-enantiomers of albuterol in a mouse asthma model (Henderson et al). 2005;116:332-40
Effect of low-dose ciclesonide on allergen-induced responses in subjects with mild allergic asthma (Gauvreau et al). 2005;116:285-91
Mast cells and eosinophils: a novel link between inflammation and angiogenesis in allergic diseases (Puxeddu et al). 2005;116:531-6 (Rostrum)
NOD2 mutations in mice show fundamental effects on intestinal inflammation (Zweiman and Rothenberg). 2005;116:238 (Beyond our pages)
Obstructive sleep apnea syndrome and inflammation (Bergeron et al). 2005;116:1393-6 (Images in allergy and immunology)
Secretory phospholipases A_2 in inflammatory and allergic diseases: not just enzymes (Triggiani et al). 2005;116:1000-6 (Review)
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Influenza vaccine
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Efficacy and clinical effectiveness of influenza immunization in healthy children (Zweiman and Rothenberg). 2005;116:237 (Beyond our pages)

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Lipid transfer protein is involved in rhinoconjunctivitis and asthma produced by rice inhalation (Enrique et al). 2005;116:926-8 (Letters to the editor)

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Insect bites and stings

Advances in allergic skin disease, anaphylaxis, and hypersensitivity reactions to foods, drugs, and insects (Sicherer and Leung). 2005;116:153-63

Efficacy of ant venom immunotherapy and whole body extracts (Brown et al). 2005;116:464-5 (Correspondence)

Efficacy of ant venom immunotherapy and whole body extracts (Golden). 2005;116:465-6 (Letter reply)

Emergency department management of insect sting reactions ignores guidelines (Leung et al). 2005;116:476 (The editors' choice)

Multicenter study of emergency department visits for insect sting allergies (Clark et al). 2005;116:643-9

Interferons

Change in IFN-(–producing capacity in early life and exposure to environmental microbes (Roponen et al). 2005;116:1048-52

Differential effects of IFN-α on the expression of various T_H2 cytokines in human $CD4^+$ T cells (Shibuya and Hirohata). 2005;116:205-12

Exposure to environmental microbes inhance early-life development of IFN-(producing capacity (Leung et al). 2005;116:948 (The editors' choice)

Interleukins

Childhood cat exposure–related tolerance is associated with *IL1A* and *IL10* polymorphisms (Karjalainen et al). 2005;116:223-5 (Letters to the editor)

Eosinophil-fibroblast interactions: a partnership for tissue remodeling and fibrosis (Leung et al). 2005;116:720 (The editors' choice)

Eosinophil-fibroblast interactions induce fibroblast IL-6 secretion and extracellular matrix gene expression: implications in fibrogenesis (Gomes et al). 2005;116:796-804

Genes modulate the response to childhood cat exposure (Leung et al). 2005;116:2 (The editors' choice)

Mucus production is not required for hallmark features of asthma (Zweiman and Rothenberg). 2005;116:1398 (Beyond our pages)

Interleukin-1 (IL-1)

Prevention of IL-1 signaling attenuates airway hyperresponsiveness and inflammation in a murine model of toluene diisocyanate–induced asthma (Johnson et al). 2005;116:851-8

Interleukin-2 (IL-2)

Defective nuclear translocation of nuclear factor of activated T cells and extracellular signal-regulated kinase underlies deficient IL-2 gene expression in Wiskott-Aldrich syndrome (Cianferoni et al). 2005;116:1364-71

Interleukin-4 (IL-4)

IL-4—expressing bronchoalveolar T cells from asthmatic and healthy subjects preferentially express CCR3 and CCR4 (Morgan et al). 2005;116:594-600

Interleukin-5 (IL-5)

Adding salmeterol to an inhaled corticosteroid reduces allergen-induced serum IL-5 and peripheral blood eosinophils (Koopmans et al). 2005;116:1007-13

Interleukin-8 (IL-8)

Cystatin A inhibits IL-8 production by keratinocytes stimulated with Der p 1 and Der f 1: biochemical skin barrier against mite cysteine proteases (Kato et al). 2005;116:169-76

Interleukin-12 (IL-12)

A haplotype of *IL-12B* affects susceptibility to childhood atopic asthma (Leung et al). 2005;116:719 (The editors' choice)

Functional haplotypes of *IL-12B* are associated with childhood atopic asthma (Hirota et al). 2005;116:789-95

Interleukin-13 (IL-13)

Dissecting asthma using focused transgenic modeling and functional genomics (Kuperman et al). 2005;116:305-11

Interleukin-17 (IL-17)

IL-17 suppresses TNF-α–induced CCL27 production through induction of COX-2 in human keratinocytes (Kanda et al). 2005;116:1144-50

Respiratory syncytial virus infection in the absence of *STAT1* results in airway dysfunction, airway mucus, and augmented IL-17 levels (Hashimoto et al). 2005;116:550-7

Intestinal microflora

Human intestinal flora diversity (Zweiman and Rothenberg). 2005;116:1175 (Beyond our pages)

New therapeutic strategy for combating the increasing burden of allergic disease: Probiotics—A Nutrition, Allergy, Mucosal Immunology and Intestinal Microbiota (NAMI) Research Group report (Rautava et al). 2005;116:31-7

Itching

Preventive effect of acupuncture on histamine-induced itch: a blinded, randomized, placebo-controlled, crossover trial (Pfab et al). 2005;116:1386-8 (Letters to the editor)

J

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Charles A. Janeway and Fred S. Rosen: the discovery of gamma globulin therapy and primary immunodeficiency diseases at Boston Children's Hospital (Geha). 2005;116:937-40 (The allergy archives)

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L

Lactobacillus
Direct regulatory immune activity of lactic acid bacteria on Der p 1–pulsed dendritic cells from allergic patients (Pochard et al). 2005;116:198-204
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Lectins
Plasma mannan-binding lectin levels and activity are increased in allergic patients (Kaur et al). 2005;116:1381-3 (Letters to the editor)
Leptin
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Conjugation of 3′ hexameric deoxyriboguanosine run to phosphodiester CpG oligodeoxynucleotides can inhibit allergen-specific IgE synthesis with less risk of splenomegaly (Chang et al). 2005;116:1388-90
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False-elevated serum tryptase assay result caused by heterophilic antibodies (van Toorenenbergen et al). 2005;116:1159-60
Fixed food eruption caused by asparagus (Volz et al). 2005;116:1390-2
IgE-binding peptides coupled to a commercial matrix as a diagnostic instrument for persistent cow's milk allergy (Beyer et al). 2005;116:704-5
Lack of association of the G protein–coupled receptor for asthma susceptibility gene with atopic dermatitis (Söderhäll et al). 2005;116:220-1
Lipid transfer protein is involved in rhinoconjunctivitis and asthma produced by rice inhalation (Enrique et al). 2005;116:926-8
Nebulizer output for methacholine challenges with the KoKo Digidoser (Khan et al). 2005;116:924-6
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The cradle of IgE autoreactivity in atopic eczema lies in early infancy (Mothes et al). 2005;116:706-9
Leukocytes
A possible mechanism for leukocyte accumulation in chronic maxillary rhinosinusitis (Zweiman and Rothenberg). 2005;116:1175-6 (Beyond our pages)
Leukotriene antagonists
Leukotriene receptor antagonists are not as effective as intranasal corticosteroids for managing nighttime symptoms of allergic rhinitis (Nathan). 2005;116:463-4 (Correspondence)
Leukotrienes
Chemoattractant for mast cell progenitors identified (Zweiman and Rothenberg). 2005;116:1176 (Beyond our pages)
5-Lipoxygenase products regulate basophil functions: 5-Oxo-ETE elicits migration, and leukotriene B_4 induces degranulation (Iikura et al). 2005;116:578-85
Levocetirizine
Levocetirizine: pharmacokinetics and pharmacodynamics in children age 6 to 11 years (Simons and Simons). 2005;116:355-61
Lipid transfer protein
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Lung diseases, obstructive
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Severity assessment in asthma: an evolving concept (Miller et al). 2005;116:990-5
Steroid-resistant lung function deficits in chronic asthma (Leung et al). 2005;116:1177 (The editors' choice)

Lymphoma
EBV the prototypical human tumor virus—just how bad is it? (Thorley-Lawson). 2005;116:251-61 (Review)
Monoclonal antibodies and fusion proteins in medicine (Liossis and Tsokos). 2005;116:721-9 (Review)

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Mast cells
Anti-IgE (omalizumab) inhibits late-phase reactions and inflammatory cells after repeat skin allergen challenge (Ong et al). 2005;116:558-64
Can IgE itself be pathogenic? (Leung et al). 2005;116:1177 (The editors' choice)
CC chemokine receptors CCR1 and CCR4 are expressed on airway mast cells in allergic asthma (Amin et al). 2005;116:1383-6 (Letters to the editor)
Chemoattractant for mast cell progenitors identified (Zweiman and Rothenberg). 2005;116:1176 (Beyond our pages)
Effect of immunotherapy on IL-9 and c-Kit$^+$ mast cells in allergic rhinitis (Leung et al). 2005;116:2 (The editors' choice)
IL-9 and c-Kit$^+$ mast cells in allergic rhinitis during seasonal allergen exposure: effect of immunotherapy (Nouri-Aria et al). 2005;116:73-9
Mast cells and eosinophils: a novel link between inflammation and angiogenesis in allergic diseases (Puxeddu et al). 2005;116:531-6 (Rostrum)
Monomeric IgE enhances human mast cell chemokine production: IL-4 augments and dexamethasone suppresses the response (Matsuda et al). 2005;116:1357-63
Rat tracheal epithelial responses to water avoidance stress (Akiyama et al). 2005;116:318-24
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Melatonin
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Mental disorders
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Factitious anaphylaxis and prevarication anaphylaxis (Lieberman). 2005;116:710 (Letter reply)

Methacholine
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Microarray analysis
Allergy-related genes in microarray: an update review (Saito et al). 2005;116:56-9

Microbiology
Human intestinal flora diversity (Zweiman and Rothenberg). 2005;116:1175 (Beyond our pages)

Milk hypersensitivity
A pilot study of the usefulness and safety of a ready-to-use atopy patch test (Diallertest) versus a comparator (Finn Chamber) during cow's milk allergy in children (Kalach et al). 2005;116:1321-6
Clinical course and prognosis of cow's milk allergy are dependent on milk-specific IgE status (Saarinen et al). 2005;116:869-75
IgE-binding peptides coupled to a commercial matrix as a diagnostic instrument for persistent cow's milk allergy (Beyer et al). 2005;116:704-5 (Letters to the editor)
The clinical course of food allergy in infants and children (Leung et al). 2005;116:720 (The editors' choice)

Miller, Jacques F. A. P.
How the immunologic function of the thymus was discovered (Miller). 2005;116:1171-4 (The allergy archives)
Jacques Miller on the thymus (Cohen). 2005;116:1170-1 (The allergy archives)

Mites
Bacterial 16S ribosomal DNA in house dust mite cultures (Valerio et al). 2005;116:1296-300
Cystatin A inhibits IL-8 production by keratinocytes stimulated with Der p 1 and Der f 1: biochemical skin barrier against mite cysteine proteases (Kato et al). 2005;116:169-76
Proasthmatic effects and mechanisms of action of the dust mite allergen, Der p 1, in airway smooth muscle (Grunstein et al). 2005;116:94-101
Proasthmatic effects of dust mite allergen in airway smooth muscle (Leung et al). 2005;116:1 (The editors' choice)

Mold; *see* Fungi

Mometasone furoate
Efficacy and safety of mometasone furoate nasal spray in nasal polyposis (Small et al). 2005;116:1275-81
Expanding the evidence base for the medical treatment of nasal polyposis (Blaiss). 2005;116:1272-4 (Editorial)
Treating acute rhinosinusitis: comparing efficacy and safety of mometasone furoate nasal spray, amoxicillin, and placebo (Meltzer et al). 2005;116:1289-95

Monoclonal antibodies
Adverse reactions to biologic agents: focus on autoimmune disease therapies (Lee and Kavanaugh). 2005;116:900-5 (Rostrum)
Anti-CD23 monoclonal antibody, lumiliximab, inhibited allergen-induced responses in antigen-presenting cells and T cells from atopic subjects (Poole et al). 2005;116:780-8
Anti-IgE (omalizumab) inhibits late-phase reactions and inflammatory cells after repeat skin allergen challenge (Ong et al). 2005;116:558-64

Caseating granulomatous disease in common variable immunodeficiency treated with infliximab (Hatab and Ballas). 2005;116:1161-2 (Letters to the editor)
Monoclonal antibodies and fusion proteins in medicine (Liossis and Tsokos). 2005;116:721-9 (Review)
Rapid resolution of toxic epidermal necrolysis with anti-TNF-α treatment (Hunger et al). 2005;116: 923-4
Selection, design, and engineering of therapeutic antibodies (Presta). 2005;116:731-6 (Review)
T-cell costimulatory molecules: optimal targets for the treatment of allergic airway disease with monoclonal antibodies (Kroczek and Hamelmann). 2005;116:906-9 (Review)
-ximab this and -zumab that! Has the magic bullet arrived in the new millennium of medicine and science? (Ballow). 2005;116:738-43 (Editorial)

Montelukast
Comparison of montelukast and fluticasone therapy in the treatment of mild persistent asthma in children (Zweiman and Rothenberg). 2005;116:1175 (Beyond our pages)
Effect of combined montelukast and desloratadine on the early asthmatic response to inhaled allergen (Davis et al). 2005;116:768-72
Effects of montelukast in patients with persistent asthma using inhaled corticosteroids plus additional second-line therapy (Currie et al). 2005;116:230 (Correspondence)

Mortality
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Mucus
Chronic exposure to TNF-α increases airway mucus gene expression *in vivo* (Busse et al). 2005;116: 1256-63
Mucus production is not required for hallmark features of asthma (Zweiman and Rothenberg). 2005;116: 1398 (Beyond our pages)
Striking deposition of toxic eosinophil major basic protein in mucus: implications for chronic rhinosinusitis (Ponikau et al). 2005;116:362-9

Multiple sclerosis
Antibody responses against galactocerebroside are potential stage-specific biomarkers in multiple sclerosis (Menge et al). 2005;116:453-9

Munchausen syndrome
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Nasal polyposis
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Nebulizers and inhalers
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Neurons
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Neuropeptides
Allergen-induced substance P synthesis in large-diameter sensory neurons innervating the lungs (Chuaychoo et al). 2005;116:325-31
Endobronchial adenosine monophosphate challenge causes tachykinin release in the human airway (Crummy et al). 2005;116:312-7

NHANES (National Health and Nutrition Examination Study)
Associations of place of birth with asthma and wheezing in Mexican American children (Eldeirawi et al). 2005;116:42-8
Prevalences of positive skin test responses to 10 common allergens in the US population: results from the Third National Health and Nutrition Examination Survey (Arbes et al). 2005;116: 377-83
Sensitization to aeroallergens in the US population (Leung et al). 2005;116:240 (The editors' choice)

Nitric oxide; *see also* Reactive nitrogen species
Exhaled nitric oxide identifies the persistent eosinophilic phenotype in severe refractory asthma (Silkoff et al). 2005;116:1249-55
Nitric oxide metabolite is an important bronchodilator (Zweiman and Rothenberg). 2005;116:945 (Beyond our pages)
No significant relationship between exhaled nitric oxide and body mass index in people with asthma (Kazaks et al). 2005;116:929-30 (Correspondence)
No significant relationship between exhaled nitric oxide and body mass index in people with asthma (de Winter-de Groot et al). 2005;116:930 (Letter reply)
Relationship between exhaled nitric oxide and body mass index in children and adolescents (Santamaria et al). 2005;116:1163-4 (Correspondence)
Relationship between exhaled nitric oxide and body mass index in children and adolescents

(de Winter-de Groot et al). 2005;116:1164-5 (Letter reply)
Short and long-term effects of cigarette smoking independently influence exhaled nitric oxide concentration in asthma (McSharry et al). 2005;116:88-93
Use of exhaled nitric oxide levels in inflammatory airways disease management (Zweiman and Rothenberg). 2005;116:717 (Beyond our pages)

Nut hypersensitivity; *see also* Peanut hypersensitivity
Sublingual immunotherapy for hazelnut food allergy: a randomized, double-blind, placebo-controlled study with a standardized hazelnut extract (Enrique et al). 2005;116:1073-9
Sublingual immunotherapy increases tolerance for hazelnuts (Leung et al). 2005;116:948 (The editors' choice)
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O

Obesity; *see also* Body mass index
Genetic pleiotropy between asthma and obesity in a community-based sample of twins (Hallstrand et al). 2005;116:1235-41
Relationship between exhaled nitric oxide and body mass index in children and adolescents (Santamaria et al). 2005;116:1163-4 (Correspondence)
Relationship between exhaled nitric oxide and body mass index in children and adolescents (de Winter-de Groot et al). 2005;116:1164-5 (Letter reply)

Occupational exposure
Occupational asthma and asthma severity (Zweiman and Rothenberg). 2005;116:1397 (Beyond our pages)
Progression of self-reported symptoms in laboratory animal allergy (Elliott et al). 2005;116:127-32

Oligodeoxynucleotides
Conjugation of 3′ hexameric deoxyriboguanosine run to phosphodiester CpG oligodeoxynucleotides can inhibit allergen-specific IgE synthesis with less risk of splenomegaly (Chang et al). 2005;116:1388-90 (Letters to the editor)

Oligonucleotides
Allergy-related genes in microarray: an update review (Saito et al). 2005;116:56-9

Otitis media
Role of mast cells in otitis media (Ebmeyer et al). 2005;116:1129-35

Outcome assessment
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Outcome at adolescence of wheezing present during the first 6 years of life (Zweiman and Rothenberg). 2005;116:1397 (Beyond our pages)

Oxidases
Pollen oxidase may be the key component for allergenicity (Zweiman and Rothenberg). 2005;116:1176 (Beyond our pages)

Oxidative stress
Effect of pollen-mediated oxidative stress on immediate hypersensitivity reactions and late-phase inflammation in allergic conjunctivitis (Bacsi et al). 2005;116:836-43
Frequent acetaminophen use and allergic diseases: Is the association clear? (Allmers). 2005;116:859-62 (Editorial)
Stress and atopic disorders (Wright). 2005;116:1301-6 (Review)

P

Parasites
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Patient compliance
Children's compliance with allergen immunotherapy according to administration routes (Pajno et al). 2005;116:1380-1 (Letters to the editor)
Immunotherapy compliance with different routes of administration (Leung et al). 2005;116:1177 (The editors' choice)

Patient education
Allergen sensitization evaluation and allergen avoidance education in an inner-city adult cohort with persistent asthma (Busse et al). 2005;116:146-52

Peanut hypersensitivity
IgE and IgG_4 epitope mapping by microarray immunoassay reveals the diversity of immune response to the peanut allergen, Ara h 2 (Shreffler et al). 2005;116:893-9
The natural history of tree nut allergy (Fleischer et al). 2005;116:1087-93

Pediatric patients; *see* Asthma, pediatric

Penicillins
Carbapenem cross-reactivity with penicillin (Meier). 2005;116:1169 (Correspondence)
Carbapenem cross-reactivity with penicillin (Ledford and Lieberman). 2005;116:1169 (Letter reply)

Pets; *see* Animals, domestic

Pharmacokinetics
A phase I study of recombinant human C1 inhibitor in asymptomatic patients with hereditary angioedema (van Doorn et al). 2005;116:876-83
Fluticasone propionate plasma concentration and systemic effect: effect of delivery device and duration of administration (Whelan et al). 2005;116:525-30
Levocetirizine: pharmacokinetics and pharmacodynamics in children age 6 to 11 years (Simons and Simons). 2005;116:355-61

Phenotypes
A genotype-phenotype correlation study in a group of 54 patients with X-linked agammaglobulinemia (López-Granados et al). 2005;116:690-7

Phosphodiesterases
Roflumilast, an oral, once-daily phosphodiesterase 4 inhibitor, attenuates allergen-induced asthmatic reactions (van Schalkwyk et al). 2005;116:292-8
Phospholipases
Secretory phospholipases A_2 in inflammatory and allergic diseases: not just enzymes (Triggiani et al). 2005;116:1000-6 (Review)
TNF-α induces the late-phase airway hyperresponsiveness and airway inflammation through cytosolic phospholipase A_2 activation (Choi et al). 2005;116:537-43
Physician-patient relations
Attaining optimal asthma control: a practice parameter (Li et al). 2005;116:S3-S11 (Practice parameter)
Pimecrolimus
Efficacy and tolerability of topical tacrolimus and pimecrolimus in the treatment of atopic dermatitis (Zweiman and Rothenberg). 2005;116:237 (Beyond our pages)
Pneumonia
Asthma as a risk factor for invasive pneumococcal disease (Zweiman and Rothenberg). 2005;116:717 (Beyond our pages)
Pollen allergy
Allergen-specific nasal IgG antibodies induced by vaccination with genetically modified allergens are associated with reduced nasal allergen sensitivity (Reisinger et al). 2005;116:347-54
Bet v $1_{142\text{-}156}$ is the dominant T-cell epitope of the major birch pollen allergen and important for cross-reactivity with Bet v 1–related food allergens (Jahn-Schmid et al). 2005;116:213-9
Effect of pollen-mediated oxidative stress on immediate hypersensitivity reactions and late-phase inflammation in allergic conjunctivitis (Bacsi et al). 2005;116:836-43
Pollen oxidase may be the key component for allergenicity (Zweiman and Rothenberg). 2005;116:1176 (Beyond our pages)
Polymorphism
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Association of atopy and eczema with polymorphisms in T-cell immunoglobulin domain and mucin domain—IL–2-inducible T-cell kinase gene cluster in chromosome 5q33 (Graves et al). 2005;116: 650-6
Association of *NOD1* polymorphisms with atopic eczema and related phenotypes (Weidinger et al). 2005;116:177-84
Functional haplotypes of *IL-12B* are associated with childhood atopic asthma (Hirota et al). 2005;116: 789-95
Plasma mannan-binding lectin levels and activity are increased in allergic patients (Kaur et al). 2005;116:1381-3 (Letters to the editor)
Toll-like receptors and atopy (Fiset et al). 2005;116: 467-70 (Images in allergy and immunology)
Practice parameters
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The diagnosis and management of sinusitis: a practice parameter update (Slavin et al). 2005;116:S13-S47
Prednisone
Efficacy and tolerability of antiasthma herbal medicine intervention in adult patients with moderate-severe allergic asthma (Wen et al). 2005;116:517-24
Pregnancy; *see also* Delivery
Are inhaled corticosteroids taken during pregnancy harmless? (Lemiere and Blais) 2005;116:501-502 (Editorial). Correction 2005;116:1212
Asthma medication use in pregnancy and fetal growth (Bakhireva et al). 2005;116:503-9
Use of inhaled corticosteroids during pregnancy and risk of pregnancy-induced hypertension (Zweiman and Rothenberg). 2005;116:238 (Beyond our pages)
Prescriptions, drug
Response to Wolfe and Marks (Fuhlbrigge and Sullivan). 2005;116:230-1 (Correspondence). Correction 2005;166:936
Preventive medicine
Allergen avoidance in asthma: What do we do now? (O'Connor). 2005;116:26-30
Allergens and allergy prevention: Where to next? (Tovey and Kemp). 2005;116:119-21 (Editorial)
Contemporaneous maturation of immunologic and respiratory functions during early childhood: implications for development of asthma prevention strategies (Holt et al). 2005;116:16-24 (Review)
Perspectives in asthma: molecular use of microbial products in asthma prevention and treatment (Racila and Kline). 2005;116:1202-5
Preventive effect of acupuncture on histamine-induced itch: a blinded, randomized, placebo-controlled, crossover trial (Pfab et al). 2005;116:1386-8 (Letters to the editor)
Primary prevention of asthma and allergy (Arshad). 2005;116:3-14 (Review)
Seven-year results from a multifaceted intervention study (Leung et al). 2005;116:2 (The editors' choice)
The Canadian Childhood Asthma Primary Prevention Study: outcomes at 7 years of age (Chan-Yeung et al). 2005;116:49-55
Probiotics
New therapeutic strategy for combating the increasing burden of allergic disease: Probiotics—A Nutrition, Allergy, Mucosal Immunology and Intestinal Microbiota (NAMI) Research Group report (Rautava et al). 2005;116:31-7

Prostaglandins
Association of *COX-2* gene haplotypes with prostaglandins production in bronchial asthma (Sanak et al). 2005;116:221-3 (Letters to the editor)
IL-17 suppresses TNF-α–induced CCL27 production through induction of COX-2 in human keratinocytes (Kanda et al). 2005;116:1144-50
Proteases
Cockroach allergen Bla g 2: an unusual aspartic proteinase (Wünschmann et al). 2005;116:140-5
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Q

Quality control
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How do topical nasal corticosteroids improve sleep and daytime somnolence in allergic rhinitis? (Craig et al). 2005;116:1264-6
Predictors of asthma-related health care utilization and quality of life among inner-city patients with asthma (Leung et al). 2005;116:475 (The editors' choice)
Predictors of asthma-related health care utilization and quality of life among inner-city patients with asthma (Wisnivesky et al). 2005;116:636-42

R

Racial disparities
Racial and ethnic differences in asthma diagnosis (Zweiman and Rothenberg). 2005;116:945-6 (Beyond our pages)
Ragweed allergy
Giant ragweed specific immunotherapy is not effective in a proportion of patients sensitized to short ragweed: analysis of the allergenic differences between short and giant ragweed (Asero et al). 2005;116:1036-41
Reactive nitrogen species
Nitrosative stress in the bronchial mucosa of severe chronic obstructive pulmonary disease (Ricciardolo et al). 2005;116:1028-35
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Receptors, CXCR3
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Receptors, IgE
Expression of FεRI on dendritic cell subsets in peripheral blood of patients with atopic dermatitis and allergic asthma (Beeren et al). 2005;116:228-9 (Letters to the editor)
Physiologic assessment of allergic rhinitis in mice: Role of the high-affinity IgE receptor (FεRI) (Miyahara et al). 2005;116:1020-7
Receptors, leukotriene
Expression of functional cysteinyl leukotriene receptors by human basophils (Gauvreau et al). 2005;116:80-7
Receptors, prostaglandin
Suppressive effects of prostaglandin E receptor subtype EP3—the mechanism of aspirin sensitivity? (Zweiman and Rothenberg). 2005;116: 474 (Beyond our pages)
Recombinant proteins
Allergen-specific immunotherapy with recombinant grass pollen allergens (Jutel et al). 2005;116: 608-13
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Respiratory syncytial virus
Respiratory syncytial virus and other respiratory viruses during the first 3 months of life promote a local T_H2-like response (Kristjansson et al). 2005;116:805-11
Respiratory syncytial virus infection in elderly and high-risk adults (Zweiman and Rothenberg). 2005;116:473 (Beyond our pages)
Respiratory syncytial virus infection in the absence of *STAT1* results in airway dysfunction, airway mucus, and augmented IL-17 levels (Hashimoto et al). 2005;116:550-7
Respiratory viral infections during early infancy promote a T_H2-like response (Leung et al). 2005;116:719 (The editors' choice)
Seasonal rhinoviral respiratory illnesses during infancy predict subsequent persistent wheezing (Leung et al). 2005;116:476 (The editors' choice)
Rhinitis
A possible mechanism for leukocyte accumulation in chronic maxillary rhinosinusitis (Zweiman and Rothenberg). 2005;116:1175-6 (Beyond our pages)
Biased use of V_H5 IgE-positive B cells in the nasal mucosa in allergic rhinitis (Coker et al). 2005;116: 445-52
Leukotriene receptor antagonists are not as effective as intranasal corticosteroids for managing nighttime symptoms of allergic rhinitis (Nathan). 2005;116: 463-4 (Correspondence)
Maybe *rhinitis*, maybe *sinusitis*, maybe *rhinitis* and *sinusitis*, but certainly not *rhinosinusitis*! (Borish). 2005;116:1269-71 (Editorial)
Physiologic assessment of allergic rhinitis in mice: Role of the high-affinity IgE receptor (FεRI) (Miyahara et al). 2005;116:1020-7

Rhinosinusitis and the revised "Sinusitis practice parameters" (Hamilos et al). 2005;116:1267-8 (Editorial)

Rhinitis, allergic, seasonal; *see* Hay fever

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Rhinosinusitis and the revised "Sinusitis practice parameters" (Hamilos et al). 2005;116:1267-8 (Editorial)

Rhinovirus

Rhinovirus illnesses during infancy predict subsequent childhood wheezing (Lemanske et al). 2005;116: 571-7

Seasonal rhinoviral respiratory illnesses during infancy predict subsequent persistent wheezing (Leung et al). 2005;116:476 (The editors' choice)

The role of rhinovirus in asthma exacerbations (Friedlander and Busse). 2005;116:267-73 (Rostrum)

Rosen, Fred S.

Charles A. Janeway and Fred S. Rosen: the discovery of gamma globulin therapy and primary immunodeficiency diseases at Boston Children's Hospital (Geha). 2005;116:937-40 (The allergy archives)

S

Salmeterol

Adding salmeterol to an inhaled corticosteroid reduces allergen-induced serum IL-5 and peripheral blood eosinophils (Koopmans et al). 2005;116: 1007-13

Sarcoma, Kaposi

Karposi's sarcoma protein stabilizes cytokine mRNAs (Zweiman and Rothenberg). 2005;116:238 (Beyond our pages)

Sensitization

Allergen sensitization evaluation and allergen avoidance education in an inner-city adult cohort with persistent asthma (Busse et al). 2005;116: 146-52

Breast-feeding reduces the risk for childhood eczema (Kull et al). 2005;116:657-61

Change in prevalence of IgE sensitization and mean total IgE with age and cohort (Jarvis et al). 2005;116:675-82

Childhood cat exposure–related tolerance is associated with *IL1A* and *IL10* polymorphisms (Karjalainen et al). 2005;116:223-5 (Letters to the editor)

COX-2 inhibition enhances the T_H2 immune response to epicutaneous sensitization (Laouini et al). 2005;116:390-6

Does early EBV infection protect against IgE sensitization? (Nilsson et al). 2005;116:438-44

Genes modulate the response to childhood cat exposure (Leung et al). 2005;116:2 (The editors' choice)

IgE antibody quantification and the probability of wheeze in preschool children (Simpson et al). 2005;116:744-9

Intranasal tolerance induction with polypeptides derived from 3 noncross-reactive major aeroallergens prevents allergic polysensitization in mice (Hufnagl et al). 2005;116:370-6

Levels of IgE to indoor allergens predict childhood wheezing (Leung et al). 2005;116:720 (The editors' choice)

Pollen oxidase may be the key component for allergenicity (Zweiman and Rothenberg). 2005;116:1176 (Beyond our pages)

Prevalence of sensitization to food allergens, reported adverse reaction to foods, food avoidance, and food hypersensitivity among teenagers (Pereira et al). 2005;116:884-92

Prevalences of positive skin test responses to 10 common allergens in the US population: results from the Third National Health and Nutrition Examination Survey (Arbes et al). 2005;116: 377-83

Sensitization to aeroallergens in the US population (Leung et al). 2005;116:240 (The editors' choice)

Signal transduction

Ubiquitin E3 ligase is a master STAT regulator (Zweiman and Rothenberg). 2005;116:1398 (Beyond our pages)

Sinusitis

A possible mechanism for leukocyte accumulation in chronic maxillary rhinosinusitis (Zweiman and Rothenberg). 2005;116:1175-6 (Beyond our pages)

Cystic fibrosis gene mutations and chronic rhinosinusitis (Ren). 2005;116:463 (Correspondence)

Maybe *rhinitis*, maybe *sinusitis*, maybe *rhinitis* and *sinusitis*, but certainly not *rhinosinusitis*! (Borish). 2005;116:1269-71 (Editorial)

Rhinosinusitis and the revised "Sinusitis practice parameters" (Hamilos et al). 2005;116:1267-8 (Editorial)

Striking deposition of toxic eosinophil major basic protein in mucus: implications for chronic rhinosinusitis (Ponikau et al). 2005;116:362-9

The diagnosis and management of sinusitis: a practice parameter update (Slavin et al). 2005;116:S13-S47 (Practice parameter)

Treating acute rhinosinusitis: comparing efficacy and safety of mometasone furoate nasal spray, amoxicillin, and placebo (Meltzer et al). 2005;116: 1289-95

Skin tests

Comparison of test devices for skin prick testing (Carr et al). 2005;116:341-6

In vivo assessment with prick-to-prick testing and double-blind, placebo-controlled food challenge of allergenicity of apple cultivars (Bolhaar et al). 2005;116:1080-6

Major and minor determinants are high-performance skin tests in β-lactam allergy diagnosis (Matheu et al). 2005;116:1167-8 (Correspondence)
Major and minor determinants are high-performance skin tests in β-lactam allergy diagnosis (Bousquet and Demoly). 2005;116:1168-9 (Letter reply)
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Sleep
How do topical nasal corticosteroids improve sleep and daytime somnolence in allergic rhinitis? (Craig et al). 2005;116:1264-6
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Nocturnal asthma (Sutherland). 2005;116:1179-86 (Review)
Sleep disorders in patients with asthma, atopic dermatitis, and allergic rhinitis (Bender and Leung). 2005;116:1200-1 (Editorial)

Sleep apnea syndromes
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Smoking
Acrolein in cigarette smoke inhibits T-cell responses (Lambert et al). 2005;116:916-22
Short and long-term effects of cigarette smoking independently influence exhaled nitric oxide concentration in asthma (McSharry et al). 2005;116:88-93

Smooth-muscle cells
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Airway smooth muscle: a modulator of airway remodeling in asthma (Lazaar and Panettieri). 2005;116:488-95 (Review)
Differences in airway remodeling between subjects with severe and moderate asthma, (Pepe et al). 2005;116:544-9
Proasthmatic effects of dust mite allergen in airway smooth muscle (Leung et al). 2005;116:1 (The editors' choice)
Role of airway smooth muscle in airway remodeling (Joubert and Hamid). 2005;116:713-6 (Images in allergy and immunology)
T cell–dependent airway smooth muscle changes in asthma (Zweiman and Rothenberg). 2005;116:718 (Beyond our pages)

Soybeans
Lack of detectable allergenicity of transgenic maize and soya samples (Batista et al). 2005;116:403-10

Specialties, medical
Improved asthma outcomes from allergy specialist care: a population-based cross-sectional analysis (Schatz et al). 2005;116:1307-13
Improved asthma outcomes with allergy specialist care (Leung et al). 2005;116:1178 (The editors' choice)

Spirometry
Irreversible lung function deficits in young adults with a history of childhood asthma (Limb et al). 2005;116:1213-9
Spirometric criteria for asthma: adding further evidence to the debate (Appleton et al). 2005;116:976-82
Spirometric criteria for asthma: population distribution is dependent on reversibility used in guidelines (Leung et al). 2005;116:947 (The editors' choice)
Steroid-resistant lung function deficits in chronic asthma (Leung et al). 2005;116:1177 (The editors' choice)

Stem cell factor
Stem cell factor stimulates the chemotaxis, integrin upregulation, and survival of human basophils (Heinemann et al). 2005;116:820-6

Stem cells
Cloning human stem cells (Zweiman and Rothenberg). 2005;116:718 (Beyond our pages)

Stings; *see Hymenoptera;* Insect bites and stings

Stress, psychological
Rat tracheal epithelial responses to water avoidance stress (Akiyama et al). 2005;116:318-24
Stress and atopic disorders (Wright). 2005;116:1301-6 (Review)

Superantigens
Biased use of V_H5 IgE-positive B cells in the nasal mucosa in allergic rhinitis (Coker et al). 2005;116:445-52
Factors that regulate naturally occurring T regulatory cell–mediated suppression (Goleva et al). 2005;116:1094-100 (Rostrum)

Sweat
Cholinergic urticaria patients: sometimes allergic to their own sweat (Leung et al). 2005;116:240 (The editors' choice)
Responsiveness to autologous sweat and serum in cholinergic urticaria classifies its clinical subtypes (Fukunaga et al). 2005;116:397-402

T

T lymphocytes
Acrolein in cigarette smoke inhibits T-cell responses (Lambert et al). 2005;116:916-22
Allergic dysregulation and hyperimmunoglobulinemia E in Foxp3 mutant mice (Lin et al). 2005;116:1106-15
Anti-CD23 monoclonal antibody, lumiliximab, inhibited allergen-induced responses in antigen-presenting cells and T cells from atopic subjects (Poole et al). 2005;116:780-8
Arginase in immunity (Zweiman and Rothenberg). 2005;116:1398 (Beyond our pages)
CCR4 and CCR5 expression in conjunctival specimens as differential markers of T_H1/T_H2 in ocular surface disorders, (Baudouin et al). 2005;116:614-9

$CD4^+CD25^+$ T-regulatory cells are decreased in patients with autoimmune polyendocrinopathy candidiasis ectodermal dystrophy (Ryan et al). 2005;116:1158-9 (Letters to the editor)
Classic thymus-derived Tregs are not required for oral tolerance (Zweiman and Rothenberg). 2005;116: 946 (Beyond our pages)
Complementing asthma (Zweiman and Rothenberg). 2005;116:718 (Beyond our pages)
Contemporaneous maturation of immunologic and respiratory functions during early childhood: implications for development of asthma prevention strategies (Holt et al). 2005;116:16-24 (Review)
CXCR3-mediated opposite effects of CXCL10 and CXCL4 on T_H1 or T_H2 cytokine production (Romagnani et al). 2005;116:1372-9
Defective nuclear translocation of nuclear factor of activated T cells and extracellular signal-regulated kinase underlies deficient IL-2 gene expression in Wiskott-Aldrich syndrome (Cianferoni et al). 2005;116:1364-71
Differential effects of IFN-α on the expression of various T_H2 cytokines in human $CD4^+$ T cells (Shibuya and Hirohata). 2005;116:205-12
Direct regulatory immune activity of lactic acid bacteria on Der p 1–pulsed dendritic cells from allergic patients (Pochard et al). 2005;116:198-204
Factors that regulate naturally occurring T regulatory cell–mediated suppression (Goleva et al). 2005;116:1094-100 (Rostrum)
Functional plasticity of human respiratory tract dendritic cells: GM-CSF enhances T_H2 development (Faith et al). 2005;116:1136-43
Gastrointestinal digestion of Bet v 1–homologous food allergens destroys their mediator-releasing, but not T cell–activating, capacity (Schimek et al). 2005;116:1327-33
IL-4—expressing bronchoalveolar T cells from asthmatic and healthy subjects preferentially express CCR3 and CCR4 (Morgan et al). 2005;116:594-600
Interactions of 1α,25-dihydroxyvitamin D3 with IL-12 and IL-4 on cytokine expression of human T lymphocytes (Thien et al). 2005;116:683-9
Role of regulatory T cells in human diseases (Chatila). 2005;116:949-59 (Review)
T-cell costimulatory molecules: optimal targets for the treatment of allergic airway disease with monoclonal antibodies (Kroczek and Hamelmann). 2005;116:906-9 (Review)
T regulatory cells in allergy: novel concepts in the pathogenesis, prevention, and treatment of allergic diseases (Akdis et al). 2005;116:961-8 (Review)
The gastrointestinal tract is critical to the pathogenesis of acute HIV-1 infection (Mehandru et al). 2005;116:419-22
The role of T regulatory cells in asthma (Seroogy and Gern). 2005;116:996-9

Tachykinins
Allergen-induced substance P synthesis in large-diameter sensory neurons innervating the lungs (Chuaychoo et al). 2005;116:325-31
Endobronchial adenosine monophosphate challenge causes tachykinin release in the human airway (Crummy et al). 2005;116:312-7

Tacrolimus
Efficacy and tolerability of topical tacrolimus and pimecrolimus in the treatment of atopic dermatitis (Zweiman and Rothenberg). 2005;116:237 (Beyond our pages)
Failure of tacrolimus to prevent aspirin-induced respiratory reactions in patients with aspirin-exacerbated respiratory disease (Stevenson et al). 2005;116:755-60

TENOR study
Aspirin sensitivity and severity of asthma: evidence for irreversible airway obstruction in patients with severe or difficult-to-treat asthma (Mascia et al). 2005;116:970-5
Severity assessment in asthma: an evolving concept (Miller et al). 2005;116:990-5

Tetanus
Tetanus immunity after diphtheria, tetanus toxoids, and acellular pertussis vaccination in children with clinically stable HIV infection (Rosenblatt et al). 2005;116:698-703

Thymus gland
How the immunologic function of the thymus was discovered (Miller). 2005;116:1171-4 (The allergy archives)
Jacques Miller on the thymus (Cohen). 2005;116: 1170-1 (The allergy archives)

Tolerance; *see* Immune tolerance

Toll-like receptors
House dust extracts elicit Toll-like receptor–dependent dendritic cell responses (Boasen et al). 2005;116: 185-91
Innate immunity for biodefense: a strategy whose time has come (Amlie-Lefond et al). 2005;116: 1334-42
Toll-like receptors and atopy (Fiset et al). 2005;116: 467-70 (Images in allergy and immunology)

Tomography
High-resolution computed tomography scan and airway remodeling in children with severe asthma (de Blic et al). 2005;116:750-4
Severe asthma in children: evaluation of airway remodeling by HRCT scan (Leung et al). 2005;116:719 (The editors' choice)

Toxoplasma gondii
Innate receptor for parasite antigen identified (Zweiman and Rothenberg). 2005;116:946 (Beyond our pages)

Transcription factors
Ubiquitin E3 ligase is a master STAT regulator (Zweiman and Rothenberg). 2005;116:1398 (Beyond our pages)

Transplants
Monoclonal antibodies and fusion proteins in medicine (Liossis and Tsokos). 2005;116:721-9 (Review)
Tryptase
False-elevated serum tryptase assay result caused by heterophilic antibodies (van Toorenenbergen et al). 2005;116:1159-60 (Letters to the editor)
Tumor necrosis factor
Chronic exposure to TNF-α increases airway mucus gene expression *in vivo* (Busse et al). 2005;116:1256-63
TNF-α induces the late-phase airway hyperresponsiveness and airway inflammation through cytosolic phospholipase A_2 activation (Choi et al). 2005;116:537-43

U

Ubiquitin
Ubiquitin E3 ligase is a master STAT regulator (Zweiman and Rothenberg). 2005;116:1398 (Beyond our pages)
Ulcers
Perilesional GM-CSF therapy of a chronic leg ulcer in a patient with common variable immunodeficiency (Hatab et al). 2005;116:460-2 (Letters to the editor)
Urban health
Allergen sensitization evaluation and allergen avoidance education in an inner-city adult cohort with persistent asthma (Busse et al). 2005;116:146-52
Can environmental intervention for asthma be cost-effective? (Leung et al). 2005;116:948 (The editors' choice)
Cost-effectiveness of a home-based environmental intervention for inner-city children with asthma (Kattan et al). 2005;116:1058-63
Is it traffic type, volume, or distance? Wheezing in infants living near truck and bus traffic (Ryan et al). 2005;116:279-84
Predictors of asthma-related health care utilization and quality of life among inner-city patients with asthma (Leung et al). 2005;116:475 (The editors' choice)
Predictors of asthma-related health care utilization and quality of life among inner-city patients with asthma (Wisnivesky et al). 2005;116:636-42
Urticaria
Cholinergic urticaria patients: sometimes allergic to their own sweat (Leung et al). 2005;116:240 (The editors' choice)
Detection of basophil-activating IgG autoantibodies in chronic idiopathic urticaria by induction of CD63 (De Swerdt et al). 2005;116:662-7
Responsiveness to autologous sweat and serum in cholinergic urticaria classifies its clinical subtypes (Fukunaga et al). 2005;116:397-402

V

Vascular cell adhesion molecule-1
Effects of the very late adhesion molecule 4 antagonist WAY103 on human peripheral blood eosinophil vascular cell adhesion molecule 1–dependent functions (Sedgwick et al). 2005;116:812-9
Vasculitis
Clinical correlates of positive ANCA tests in the Churg-Strauss syndrome (Zweiman and Rothenberg). 2005;116:1397 (Beyond our pages)
Vehicle emissions
Is it traffic type, volume, or distance? Wheezing in infants living near truck and bus traffic (Ryan et al). 2005;116:279-84
Wheezing in infants–associated with "stop-and-go" traffic? (Leung et al). 2005;116:239 (The editors' choice)
Venom allergy; *see Hymenoptera;* Insect bites and stings
Virus diseases; *see also* Infections; *specific infections*
Chronic active Epstein-Barr virus infection of natural killer cells presenting as severe skin reaction to mosquito bites (Pacheco et al). 2005;116:470-2 (Images in allergy and immunology)
Does early EBV infection protect against IgE sensitization? (Nilsson et al). 2005;116:438-44
Infection versus immunity: What's the balance? (Shearer). 2005;116:263-6 (Editorial)
Respiratory syncytial virus infection in elderly and high-risk adults (Zweiman and Rothenberg). 2005;116:473 (Beyond our pages)
Vitamin D
Interactions of 1α,25-dihydroxyvitamin D3 with IL-12 and IL-4 on cytokine expression of human T lymphocytes (Thien et al). 2005;116:683-9

W

Warts
Sporadic case of warts, hypogammaglobulinemia, immunodeficiency, and myelokathexis syndrome (Tarzi et al). 2005;116:1101-5 (Case study)
Wheezing
Associations of place of birth with asthma and wheezing in Mexican American children (Eldeirawi et al). 2005;116:42-8
Atopic characteristics of children with recurrent wheezing at high risk for development of childhood asthma (Hopp). 2005;116:930-1 (Correspondence)
Atopic characteristics of children with recurrent wheezing at high risk for development of childhood asthma (Guilbert et al). 2005;116:931 (Letter reply)
Factors affecting the onset of recurrent wheezing in early childhood versus onset in adolescence (Zweiman and Rothenberg). 2005;116:1175 (Beyond our pages)
IgE antibody quantification and the probability of wheeze in preschool children (Simpson et al). 2005;116:744-9

Is it traffic type, volume, or distance? Wheezing in infants living near truck and bus traffic (Ryan et al). 2005;116:279-84
Levels of IgE to indoor allergens predict childhood wheezing (Leung et al). 2005;116:720 (The editors' choice)
Outcome at adolescence of wheezing present during the first 6 years of life (Zweiman and Rothenberg). 2005;116:1397 (Beyond our pages)
Rhinovirus illnesses during infancy predict subsequent childhood wheezing (Lemanske et al). 2005;116: 571-7
Seasonal rhinoviral respiratory illnesses during infancy predict subsequent persistent wheezing (Leung et al). 2005;116:476 (The editors' choice)
Wheezing in infants–associated with "stop-and-go" traffic? (Leung et al). 2005;116:239 (The editors' choice)

Wiskott-Aldrich syndrome

Defective nuclear translocation of nuclear factor of activated T cells and extracellular signal-regulated kinase underlies deficient IL-2 gene expression in Wiskott-Aldrich syndrome (Cianferoni et al). 2005;116:1364-71